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# Ernest O. Lawrence Radiation Laboratory

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# INDEX OF LRL BERKELEY MECHANICAL ENGINEERING DEPARTMENT ENGINEERING NOTES AND SPECIFICATIONS VOLUME 2, REVISED SEPTEMBER 1966

Berkeley, California

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# INDEX OF LRL BERKELEY MECHANICAL ENGINEERING DEPARTMENT ENGINEERING NOTES AND SPECIFICATIONS

Volume 2, Revised September 1966

James O. Turner

Lawrence Radiation Laboratory
University of California
Berkeley, California

## Introduction

This is a directory and index of engineering notes and specifications issued by the Mechanical Engineering Department of the Lawrence Radiation Laboratory at Berkeley for the approximate period: March 15, 1963 to June 30, 1966. It is composed of three sections:

Section I is a directory of the Category Codes used to collect documents according to project, program, or general field of interest.

Section II is a listing of the documents arranged by category code.

Section III is a "Keyword-Plus-Title" index. Here the listing is alphabetical by key words, or in effect, by subject matter of content. This section also contains key-word references to the different category code groupings in Section II

## Exponents

Exponents are denoted by *. For example, $2.4 \times 10^{-7}$ Torr is written: 2.4 x 10*-7 TORR.

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--SECTION I--

## DIRECTORY OF CATEGORY CODES

In order to group Engineering Note according to project, program, or general field of interest, the category codes listed in this section are used.

# DIRECTORY OF CATEGORY CODES

## AA01 Mechanical Engineering,

| | |
|---|---|
| AA0100 | General |
| AA0101 | Administrative Methods and Procedures |
| AA0102 | Reports: Trip, Meeting, Conference |
| AA0103 | Costs, Time Studies, Estimating |
| AA0106 | Properties of Organic and Composite Materials |
| AA0107 | Properties of Ceramic and Miscellaneous Inorganic Materials |
| AA0109 | Properties of Miscellaneous Materials |
| AA0112 | Vacuum Practices, Equipment, Materials |
| AA0113 | Vessels: Vacuum, Pressure |
| AA0114 | Magnets, Solenoids, Coils |
| AA0116 | Shielding |
| AA0117 | Seals: Vacuum Pressure, Hydraulic |
| AA0118 | Devices, Components, Tools |
| AA0121 | Welding, Brazing, Soldering |
| AA0123 | Mathematics, Derivations, Computers, Programming, Etc. |
| AA0125 | Drafting Room Practices & Procedures |
| AA0126 | Mathematical Support |
| AA0128 | Document Preparation, Indexing, and Retrieval |
| AA0129 | Mechanics |
| AA0130 | Optical Practices and Equipment |
| AA0200 | Departmental Policy |

## AA0300 Minutes of Hydrogen Safety Committee

## AA0500 Mechanical Technicians,

| | |
|---|---|
| AA0500 | General |
| AA0501 | Optical Instrumentation and Tooling |
| AA0503 | Preparation of Thin Films |

## AA09 Work for Others

| | |
|---|---|
| AA0901 | Work for SLAC |

## AB01 Engineering Technology,

| | |
|---|---|
| AB0101 | General |
| AB0102 | Liquefied Gas Storage & Equipment |
| AB0103 | Superconductivity Studies |
| AB0105 | Evaluation of Vacuum Equipment and Materials |
| AB0108 | Investigation of Plastics, Rubbers, Adhesives |

## AB04 Engineering Technology for Livermore,

| | |
|---|---|
| AB0400 | General |
| AB0402 | Diagnostic Instrument Packaging |
| AB0403 | Support Division, Vacuum X-Ray Facility |

AC01 Advanced Accelerator, Overall Engineering Studies,

AC0101 Progress Reports

AC02 Advanced Accelerator, Linac Injector,

AC0200 General
AC0220 Alignment
AC0250 Linac

AC03 Advanced Accelerator, Injector Synchrotron,

AC0300 General
AC0301 Injection and Ejection
AC0302 Magnet Support and Enclosure
AC0303 Magnets
AC0304 RF-System
AC0305 Vacuum-System

AC04 Advanced Accelerator, Main Magnet Ring Structure,

AC0402 Overall Component Arrangement
AC0404 Foundations & Support
AC0405 Magnet Support Adjustments
AC0406 Alignment, Survey
AC0409 Enclosure
AC0410 Enclosure Main Accessway
AC0411 Enclosure Facilities Accessways

AC05 Advanced Accelerator, Main Ring Magnets,

AC0500 General
AC0501 Design Parameters
AC0502 Core Materials & Fabrication
AC0503 Coil Materials & Fabrication
AC0505 Alternating-Gradient Magnets
AC0508 Alignment

AC07 Advanced Accelerator, Main Ring Accelerating-System,

AC0701 RF-System

AC08 Advanced Accelerator, Main Vacuum-System,

AC0800 General
AC0801 Vacuum Chamber

AC10 Advanced Accelerator, Beam Extraction,

AC1001 Magnets

AC11 Advanced Accelerator, Experimental Areas,

| | |
|---|---|
| AC1100 | General |
| AC1110 | Internal Target Area |
| AC1120 | External Proton Beam Area |

AC12 Advanced Accelerator, Shielding and Personnel Protection,

| | |
|---|---|
| AC1200 | General |

AC13 Advanced Accelerator, Handling Equipment,

| | |
|---|---|
| AC1300 | General |

AT01 Targets. Hydrogen, Helium, Etc.,

| | |
|---|---|
| AT0101 | Maintenance and Operation |
| AT0102 | Development and Construction |

BE01 Bevatron, Building,

| | |
|---|---|
| BE0104 | Utilities |

BE05 Bevatron, Accelerating-System,

| | |
|---|---|
| BE0503 | Oscillator Amplifier-System |

BE06 Bevatron, Miscellaneous,

| | |
|---|---|
| BE0601 | General |
| BE0610 | Handling Equipment and Cranes |

BE07 Bevatron, Experimental Facilities,

| | |
|---|---|
| BE0701 | General Experimental-Areas |
| BE0702 | Probes, Clippers, Targets, Plunging Mechanisms |
| BE0705 | Auxiliary Magnets and Stands |
| BE0706 | Auxiliary Magnet Power-Supplies, Shunts |
| BE0708 | Velocity Spectrometers, Power-Supplies |
| BE0709 | Safety Equipment. Hydrogen Vents, Monitoring, Etc. |

BE08 Bevatron, External Proton Beam,

| | |
|---|---|
| BE0801 | General |
| BE0802 | Targets |
| BE0803 | Vacuum Channel |
| BE0804 | Transport Magnets and Power-Supplies |
| BE0805 | Shielding |
| BE0806 | Experimental Facilities |

BE09 Bevatron, Injector II

| | |
|---|---|
| BE0902 | Ion Source |
| BE0903 | Ion Gun |
| BE0904 | Ion Gun to Linac |
| BE0905 | Linac |
| BE0906 | Linac to Inflector |
| BE0907 | Inflector |

BE11 Bevatron, Shielding and Support Structures,

| | |
|---|---|
| BE1130 | For 10*13 Particles-Per-Pulse |

BE12 Bevatron, Magnet Core,

| | |
|---|---|
| BE1201 | General |
| BE1210 | Pole-Tip and Pole-Base |

BE13 Bevatron, Magnet Coil,

| | |
|---|---|
| BE1301 | General |
| BE1305 | End Winding Supports |

BE14 Bevatron, Magnet Power-Supply,

| | |
|---|---|
| BE1401 | General |

BE18 Bevatron, Vacuum Envelope,

| | |
|---|---|
| BE1805 | Beam Exit Nozzles and Windows |

CA01 184" Cyclotron, General,

| | |
|---|---|
| CA0100 | Proposed Improvements |
| CA0101 | Operation and Maintenance |
| CA0102 | Handling & Lifting Equipment |

CA02 184" Cyclotron, Improvements,

| | |
|---|---|
| CA0200 | General |
| CA0202 | Physics Cave Shielding |
| CA0203 | Shielding |
| CA0206 | Central Area Studies |

CA03 184" Cyclotron, Auxiliary Experimental Equipment,

| | |
|---|---|
| CA0303 | Focussing Magnets |

CB01 88" Cyclotron, Mechanical,

| | |
|---|---|
| CB0100 | General |
| CB0101 | Magnet |
| CB0103 | Magnet Trimming Coils |
| CB0112 | Dee |

CB01 88" Cyclotron, Mechanical, (Continued)

| | |
|---|---|
| CB0120 | Vacuum-System |
| CB0121 | Dee Tank |
| CB0125 | Deflector |
| CB0130 | Ion Source |
| CB0140 | Water-System in Pit |

CB02 88" Cyclotron, Accessory Equipment,

| | |
|---|---|
| CB0200 | General |
| CB0201 | External Beam Magnets |

CB03 88" Cyclotron, Miscellaneous,

| | |
|---|---|
| CB0301 | Improvements |

HD01 72" Hydrogen Bubble Chamber,

| | |
|---|---|
| HD0102 | Development |
| HD0103 | Magnet |

HD02 82" Bubble Chamber,

| | |
|---|---|
| HD0201 | Conversion from 72-Inch |
| HD0202 | Illumination |
| HD0203 | Optics |

HE01 25" Hydrogen Bubble Chamber,

| | |
|---|---|
| HE0102 | Magnet |
| HE0103 | Chamber and Expansion-System |
| HE0105 | Camera Optics |
| HE0106 | Operation |

HF01 80" BNL Bubble Chamber Camera,

| | |
|---|---|
| HF0101 | Stereo Image Calibration |
| HF0102 | Economics of Operation |
| HF0103 | Safety |

LA01 Heavy Ion Accelerator, General,

| | |
|---|---|
| LA0100 | Proposed Improvements |
| LA0101 | Operation and Maintenance |
| LA0102 | New Equipment and Components |
| LA0103 | Research Studies and Tests |
| LA0105 | Studies for Increased Duty-Factor |
| LA0106 | Shielding |
| LA0107 | Accelerator Cooling |
| LA0108 | Additional Injector Terminal & Prestripper Tank Facilities |

MN02 Omnitron, Synchrotron,

MN0201 RF-System

PC01 Propane Bubble Chambers,

PC0101 Operation

RA02 Inorganic Materials Research,

RA0200 General
RA0201 High-Temperature Chemistry
RA0202 Solid-State Physics and Chemistry
RA0203 Low-Temperature Properties of Materials
RA0204 Metallurgy Ceramic

RB01 Biology and Medicine Research,

RB0100 General
RB0101 Instrumentation for Medical Physics
RB0104 Positioner and Cave Platform at 184" Cyclotron
RB0108 Irradiation Stereotaxic Apparatus for Humans

RC01 Chemistry Research,

RC0100 General
RC0101 Beta and Gamma Ray Spectroscopy
RC0102 Low-Temperature Nuclear Alignment
RC0103 Cascade Isotope Separator; Reynolds
RC0106 Decay Schemes of Alpha Emitters
RC0107 Radiation Chemistry I, Newton

RC05 Bio-Organic Chemistry Research,

RC0500 General
RC0501 Magneto-Optical Rotation Apparatus

RP01 Physics Research,

RP0101 Moyer-Helmholz Group
RP0102 Segre-Chamberlain Group
RP0103 Alvarez Group
RP0104 Crowe Group

--SECTION II--

## LISTING BY CATEGORY

In this section, documents are grouped according to category. Within each group, they are arranged by serial number, or approximately chronologically.

CODE 1.....SPECIFICATIONS:

SPEC. M15C MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)

SPEC. M16C HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)

SPEC. M17 NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)

SPEC. M18B BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)

SPEC. M344A Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 1/24/63, R4/18/63, 4P)

SPEC. M345B M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/11/62, R2/11/63, 5/29/63, 4P)

SPEC. M346 12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P)

SPEC. M348B 8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)

SPEC. M349B TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/17/63, R1/28/64, 1P)

SPEC. M350B VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63, R1/27/64, 5P)

SPEC. M351B VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)

SPEC. M352 NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)

SPEC. M353 18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 5/15/63, 7P)

SPEC. M354 DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P)

SPEC. M355A ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P)

SPEC. M358 VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)

SPEC. M359 CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)

SPEC. M360A VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)

SPEC. M361A J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)

SPEC. M362A M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/10/63, R1/7/64, 3P)

SPEC. M363 GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P)

SPEC. M364 M-6 MAGNET (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 2/18/64, 3P)

SPEC. M365 NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P)

SPEC. M366 VACUUM-SYSTEM, PRELIMINARY STUDY (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. V KOPYTOFF. 5/4/64, 2P)

SPEC. M367A PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P)

SPEC. M368 8-INCH-GAP MAGNET (BEVATRON EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 7/8/64, 4P)

SPEC. M369 POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 9/21/64, 3P)

SPEC. M370 HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)

SPEC. M371 UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P)

SPEC. M372 PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORGREN. 10/12/64, 5P)

SPEC. M373 APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)

SPEC. M374 GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)

SPEC. M375 FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)

SPEC. M376 DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)

SPEC. M377 TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)

SPEC M378 12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P)

SPEC M379 TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 5/27/65, 1P)

SPEC M381 LINAC TANKS (ADVANCED ACCELERATOR. W EATON. 6/10/65, 5P)

SPEC M383 MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P)

SPEC M384 FILM PROCESSOR, 35MM (P BEAN. 8/16/65, 2P)

SPEC M385 FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P)

SPEC M386C MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P)

SPEC M387 SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P)

SPEC M388 25-LINES-PER-INCH PRINTED-CIRCUIT BOARD (A WATANABE. R FULTON. 10/8/65, 1P)

SPEC M389 82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P)

SPEC M390A 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P)

SPEC M391A 82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P)

SPEC M392A 16 X 36 C MAGNET (184-INCH CYCLOTRON. D ROTHFUSS. 12/13/65 R4/18/66, 5P)

SPEC M393 FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)

SPEC M394 FREON PUMP (OMNITRON STUDY, RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)

SPEC M395 STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P)

SPEC M396 ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P)

SPEC M397 ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITIUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P)

SPEC M398 MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P)

SPEC M401B MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P)

CODE AA0100..... MECHANICAL ENGINEERING, GENERAL:

AA0100 M3273 CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)

AA0100 M3677 ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)

CODE AA0101..... ADMINISTRATIVE METHODS AND PROCEDURES:

AA0101 M3045 TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)

AA0101 M3499 RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)

CODE AA0102.....REPORTS, TRIP, MEETING, CONFERENCE:

AA0102 M3072 VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P)

AA0102 M3093 ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P)

AA0102 M3158 VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)

AA0102 M3169 DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)

AA0102 M3172 AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P)

AA0102 M3173 VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P)

AA0102 M3174 BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)

AA0102 M3178 AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)

AA0102 M3184 MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P)

AA0102 M3201 WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63. 4P)

AA0102 M3205A UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P)

AA0102 M3253 TECHNICAL INFORMATION-SYSTEM AND CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P)

AA0102 M3260 TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)

AA0102 M3288 AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P )

AA0102 M3310 VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)

AA0102 M3332 DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)

AA0102 M3333 ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)

AA0102 M3361 JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)

AA0102 M3373 TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)

AA0102 M3384 CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)

AA0102 M3396 VISIT TO 1964 WESCON AT LOS ANGELES (TRIP REPORT. S JOHNSON. 8/26/64, 1P)

AA0102 M3397 WESCON SHOW, 1964 (TRIP REPORT. R REIMERS. 8/27/64, 1P)

AA0102 M3421 MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)

AA0102 M3432 VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 1P)

AA0102 M3433 AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 3P)

AA0102 M3446 NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRSING. 11/2/64 4P)

AA0102 M3515 DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)

AA0102 M3538 21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P)

AA0102 M3539 PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)

AA0102 M3540 BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P)

AA0102 M3542 ATOMICS INTERNATIONAL (CANOGA PARK, CALIFORNIA TRIP REPORT. P HERNANDEZ. 4/15/65, 2P UCID 2509)

AA0102 M3548 VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P)

AA0102 M3584 1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE ( TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P)

AA0102 M3588 1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P)

AA0102 M3589 MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P)

AA0102 M3631 VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P)

AA0102 M3644 INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P)

AA0102 M3735 TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790)

AA0102 M3768 NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)

CODE AA0103.....COSTS, TIME-STUDIES, ESTIMATING:

AA0103 M3492 COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)

CODE AA0106.....PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS:

AA0106 M3160 HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)

AA0106 M3357A MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)

AA0106 M3741 ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P)

AA0106 M3764 HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P)

CODE AA0107 ..... PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS:

AA0107 M3691 THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P)

AA0107 M3738A THERMAL CONDUCTIVITY OF SAPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P)

CODE AA0109 ..... PROPERTIES OF MISCELLANEOUS MATERIALS:

AA0109 M3566 STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P)

CODE AA0112 ..... VACUUM PRACTICES , EQUIPMENT, MATERIALS:

AA0112 M3148 MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334)

AA0112 M3162 HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)

AA0112 M3210 THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)

AA0112 M3212A THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)

AA0112 M3217 HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)

AA0112 M3294 BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)

AA0112 M3342 MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)

AA0112 M3364A THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)

AA0112 M3389 PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)

AA0112 M3478 OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)

AA0112 M3484 CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)

AA0112 M3507 OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)

AA0112 M3509 OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)

AA0112 M3636 REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P)

CODE AA0113.....VESSELS, VACUUM, PRESSURE:

AA0113 M3011 BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)

AA0113 M3110 PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)

CODE AA0114.....MAGNETS, SOLENOIDS, COILS:

AA0114 M3026 FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)

AA0114 M3047 PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331)

AA0114 M3079 VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)

AA0114 M3113 PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)

AA0114 M3191 MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)

AA0114 M3195 IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P)

AA0114 M3219 THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)

AA0114 M3371 CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R MEUSER. 7/21/64, 3P)

AA0114 M3382B GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)

AA0114 M3383A LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341)

AA0114 M3387 CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P)

AA0114 M3416 C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)

AA0114 M3502 MAGNET NAME-PLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J HART. 2/10/65, 1P)

AA0114 M3524 MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P)

AA0114 M3543 USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P)

AA0114 M3570 FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P)

AA0114 M3571 RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P)

CODE AA0116..... SHIELDING:

AA0116 M3511 ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)

AA0116 M3743 CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4)

AA0116 M3753 SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)

CODE AA0117..... SEALS, VACUUM, PRESSURE, HYDRAULIC:

AA0117 M3035 VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)

AA0117 M3175A J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)

AA0117 M3199A J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)

CODE AA0118.....DEVICES, COMPONENTS, TOOLS:

AA0118 M3183 SOME CRITERIA FOR FLOW INTERLOCKS (R BURLEIGH. 11/14/63, 3P UCID 2231)

AA0118 M3431 STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)

CODE AA0121.....WELDING, BRAZING, SOLDERING:

AA0121 M3437 PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)

CODE AA0123.....MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC.:

AA0123 M3009 WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)

AA0123 M3088 PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)

AA0123 M3109 LEAST-SQUARES TECHNIQUE USING MATRICES (R SCHWARZ. 7/29/63, 5P)

AA0123 M3117A POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P)

AA0123 M3130 TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)

AA0123 M3234 DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)

AA0123 M3236 THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)

AA0123 M3271 A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)

AA0123 M3337 FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)

AA0123 M3343 PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)

AA0123 M3347 CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)

AA0123 M3393 SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)

AA0123 M3394 SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)

AA0123 M3488 ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P)

AA0123 M3489 ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P)

AA0123 M3525A AN INTRODUCTION TO VECTOR ALGEBRA (R SCHWARZ. 3/22/65 R4/20/65, 17P)

CODE AA0125..... DRAFTING-ROOM PRACTICES AND PROCEDURES:

AA0125 M3605 PROPOSAL FOR MICROFILM-SYSTEM (MECHANICAL ENGINEERING DEPARTMENT, DRAFTING ROOM PRACTICES AND PROCEDURES. P BEAN. 6/15/65, 16P UCID 2631)

CODE AA0126..... MATHEMATICAL SUPPORT:

AA0126 M3078 REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P)

CODE AA0128..... DOCUMENT PREPARATION, INDEXING, RETRIEVAL:

AA0128 M3163 ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN. 10/17/63, 3P)

AA0128 M3228B ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P)

AA0128 M3374B ENGINEERING-NOTE AUTHORS GUIDE (J TURNER. 7/27/64 R8/20/64 R12/21/66, 3P UCID 2485)

CODE 0129..... MECHANICS:

AA0129 M3194 DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)

CODE AA0130..... OPTICAL PRACTICES AND EQUIPMENT:

AA0130 M3760 ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORGREN. 6/13/66, 2P)

CODE AA0200..... DEPARTMENTAL POLICY:

AA0200 M3623A ENGINEERING-NOTE POLICY. (R BURLEIGH, J TURNER. 11/3/65 R12/1/65, 1P)

AA0200 M3683 RELATIONS WITH SHOPS (DEPARTMENT POLICY. R BURLEIGH. 2/3/66, 1P)

CODE AA0300.....MINUTES OF HYDROGEN SAFETY COMMITTEE

AA0300 M3085 INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)

AA0300 M3133 LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)

AA0300 M3188A TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)

AA0300 M3206 UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)

AA0300 M3209 BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P)

AA0300 M3225 PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)

AA0300 M3249 THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P)

AA0300 M3265 SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)

AA0300 M3268 ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)

AA0300 M3277 ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)

AA0300 M3449 PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)

AA0300 M3450 ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)

AA0300 M3606 VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 8/16/65, 7P)

AA0300 M3609 EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P)

AA0300 M3620 REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P)

AA0300 M3621 VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 1P)

AA0300 M3622 HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P)

AA0300 M3628 BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P)

AA0300 M3630 HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)

AA0300 M3634 SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)

AA0300 M3638 LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P)

AA0300 M3639 SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 12/1/65, 1P UCID 2712)

AA0300 M3641 CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P)

AA0300 M3643 HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P)

AA0300 M3661 GAS DETECTORS, (SURVEY AND RECOMMENDATION, HYDROGEN SAFETY COMMITTEE. J SHAND. 1/4/66, 1P UCID 2739)

AA0300 M3671 REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P)

AA0300 M3672 LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P)

AA0300 M3701 CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P)

AA0300 M3704 PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 2/28/66, 2P)

AA0300 M3721 SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P)

AA0300 M3759 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)

AA0300 M3772 SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P)

CODE AA0500..... MECHANICAL TECHNICIANS, GENERAL:

AA0500 M3425 A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P)

CODE AA0501..... OPTICAL INSTRUMENTATION AND TOOLING:

AA0501 M3403 A MINIATURE POSITIONING UNIT FOR STABLE, MULTI-COORDINATE APPLICATIONS (J WILTENS. 7/31/64, 7P)

AA0501 M3408 A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)

AA0501 M3426 ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)

AA0501 M3482 MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)

AA0501 M3600 ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P)

CODE AA0503..... PREPARATION OF THIN FILMS:

AA0503 M3104 THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O'CONNELL. 5/3/63, 4P)

AA0503 M3105 A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)

AA0503 M3106 A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)

AA0503 M3107 THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O'CONNELL. 5/3/63, 2P)

CODE AA0901 ..... WORK FOR SLAC:

AA0901 M3423 ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380)

AA0901 M3440 PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)

AA0901 M3441 MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418)

AA0901 M3442 MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)

AA0901 M3444 PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)

AA0901 M3447A PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)

CODE AB0101 ..... ENGINEERING TECHNOLOGY:

AB0101 M3340 A NEW TYPE WATER FLOWSWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)

AB0101 M3352 A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P)

CODE AB0102 ..... LIQUEFIED GAS STORAGE AND EQUIPMENT:

AB0102 M3050 LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)

CODE AB0103 ..... SUPERCONDUCTIVITY STUDIES:

AB0103 M3018 COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)

AB0103 M3388 CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)

CODE AB0105 ..... EVALUATION OF VACUUM EQUIPMENT:

AB0105 M3369 WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P)

AB0105 M3385 WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P)

AB0105 M3608 PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)

AB0105 M3616 PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)

AB0105 M3619 PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P)

AB0105 M3624 PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)

AB0105 M3651A ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)

AB0105 M3681 PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)

CODE AB0108.....INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES:

AB0108 M3306 INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)

CODE AB0400..... ENGINEERING TECHNOLOGY FOR LIVERMORE:

AB0400 M3120A CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)

CODE AB0402.....DIAGNOSTIC INSTRUMENT PACKAGING:

AB0402 M3021 DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)

CODE AB0403.....SUPPORT DIVISION, VACUUM X-RAY FACILITY:

AB0403 M3033 CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)

CODE AC0101.....ADVANCD-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS:

AC0101 M3216 MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)

CODE AC0200.....ADVANCD-ACCELERATOR, LINAC INJECTOR:

AC0200 M3202 ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P)

AC0200 M3341 ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P)

AC0200 M3506 COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)

AC0200 M3727 COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P)

CODE AC0220.....ADVANCD-ACCELERATOR, LINAC INJECTOR, ALIGNMENT:

AC0220 M3597 INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P)

CODE AC0250.....ADVANCD-ACCELERATOR, LINAC INJECTOR, LINAC:

AC0250 M3587 ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P)

AC0250 M3710 TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P)

CODE AC0300.....ADVANCD-ACCELERATOR, SYNCHROTRON INJECTOR:

AC0300 M3246 INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)

AC0300 M3258 COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P)

AC0300 M3344 BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P)

AC0300 M3407 CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P)

AC0300 M3452 BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P)

AC0300 M3471 PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 12/21/64, 17P)

AC0300 M3475 BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)

AC0300 M3537 SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497)

AC0300 M3568 MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584)

AC0300 M3614 SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P)

AC0300 M3647 TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P)

AC0300 M3714A INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P)

AC0300 M3745 SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)

AC0300 M3767 SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)

CODE AC0301.....ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION:

AC0301 M3580 PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P)

AC0301 M3591 COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON. M GREEN. 7/1/65, 38P)

CODE AC0302.....ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE:

AC0302 M3578 MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P)

AC0302 M3668 ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P)

AC0302 M3680 GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P)

CODE AC0303.....ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS:

AC0303 M3358 EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)

AC0303 M3390C SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER. P HERNANDEZ. 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P)

AC0303 M3470 GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)

AC0303 M3532 CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P)

AC0303 M3646 GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P)

AC0303 M3649 GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P)

AC0303 M3676 TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P)

AC0303 M3698 AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST

AC0303 M3715 THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)

CODE AC0304..... ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM.

AC0304 M3322B RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)

AC0304 M3331A RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)

AC0304 M3339A RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)

AC0304 M3348 COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)

AC0304 M3365 A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)

AC0304 M3381 COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)

AC0304 M3627 RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)

AC0304 M3718 RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P)

CODE AC0305..... ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM.

AC0305 M3295 REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)

AC0305 M3455 A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)

AC0305 M3503 WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRSING. 2/19/65, 4P)

AC0305 M3527 EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 7P)

AC0305 M3528 EVACUATION OF VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 4P)

AC0305 M3529 STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 5P)

AC0305 M3530 VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/30/65, 12P)

AC0305 M3762 PROPOSED VACUUM-SYSTEM COMPONENTS (ADVANCED ACCELERATOR, INJECTION SYSTEM, LINEAR ACCELERATOR. W EATON, F REINATH. 6/13/66, 6P)

AC0305 M3773 OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P)

CODE AC0402.....ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT:

AC0402 M3398 LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)

AC0402 M3551A COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)

CODE AC0404..... ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT:

AC0404 M3229 PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)

AC0404 M3230 A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)

AC0404 M3242 CROSS-SECTION PARAMETERS FOR DEEP BEAMS (8-FT TO 15-FT DEEP, ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W SALSIG. 1/24/64, 7P)

AC0404 M3243 COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)

AC0404 M3270 THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)

AC0404 M3283 NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)

AC0404 M3304 RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)

AC0404 M3319 MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P)

AC0404 M3321 YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)

AC0404 M3336 BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)

AC0404 M3360 TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)

AC0404 M3500 PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)

AC0404 M3520 DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)

AC0404 M3522 SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)

AC0404 M3523 CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P)

AC0404 M3557 LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520)

CODE AC0405 ..... ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS:

AC0405 M3546 MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)

AC0405 M3552A DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514)

AC0405 M3553B COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)

CODE AC0406 ..... ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY:

AC0406 M3531 A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P)

AC0406 M3545 TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P)

AC0406 M3579 MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P)

AC0406 M3603 SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)

AC0406 M3607 SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P)

AC0406 M3688 ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P)

CODE AC0409 ..... ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE:

AC0409 M3226 FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)

AC0409 M3244 PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)

AC0409 M3320 MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)

CODE AC0410.....ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY:

AC0410 M3560A ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)

CODE AC0411.....ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS

AC0411 M3279 CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)

CODE AC0500.....ADVANCD-ACCELERATOR, MAIN RING MAGNETS:

AC0500 M3095 COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)

AC0500 M3181 PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)

AC0500 M3238 RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)

AC0500 M3248 PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)

AC0500 M3468 MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)

AC0500 M3533 MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)

AC0500 M3536 MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P)

AC0500 M3746 INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P)

CODE AC0501 ..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS:

AC0501 M3154 PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P)

AC0501 M3257 LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)

AC0501 M3259 INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P)

AC0501 M3453 MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)

AC0501 M3526 ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)

CODE AC0502 ..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION:

AC0502 M3170 VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)

AC0502 M3650 MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)

CODE AC0503 ..... ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION:

AC0503 M3755 BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)

CODE AC0505 ..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS:

AC0505 M3155 MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)

AC0409 M3226 FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)

AC0409 M3244 PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)

AC0409 M3320 MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)

CODE AC0410.....ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY:

AC0410 M3560A ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)

CODE AC0411.....ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS

AC0411 M3279 CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)

CODE AC0500.....ADVANCD-ACCELERATOR, MAIN RING MAGNETS:

AC0500 M3095 COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)

AC0500 M3181 PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)

AC0500 M3238 RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)

AC0500 M3248 PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)

AC0500 M3468 MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)

AC0500 M3533 MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)

AC0500 M3536 MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P)

AC0500 M3746 INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P)

CODE AC0501..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS:

AC0501 M3154 PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P)

AC0501 M3257 LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)

AC0501 M3259 INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P)

AC0501 M3453 MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)

AC0501 M3526 ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)

CODE AC0502..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION:

AC0502 M3170 VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)

AC0502 M3650 MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)

CODE AC0503..... ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION:

AC0503 M3755 BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)

CODE AC0505..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS:

AC0505 M3155 MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)

AC0505 M3156 MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)

AC0505 M3211 TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)

AC0505 M3254 CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)

AC0505 M3261 APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)

AC0505 M3326 REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)

CODE AC0508.....ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT:

AC0508 M3200 A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018)

AC0508 M3237 AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)

CODE AC0701.....ADVANCD-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM:

AC0701 M3654 COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)

CODE AC0800.....ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM:

AC0800 M3134 ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)

AC0800 M3241B MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)

AC0800 M3263 DEFINITION OF PROBLEMS IN MAIN VACUUM-SYSTEM (ADVANCED ACCELERATOR. F REINATH. 2/17/64, 18P UCID 2127)

AC0800 M3269A EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)

AC0800 M3281 ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)

AC0800 M3284 MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)

AC0800 M3299 MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)

AC0800 M3412 VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)

AC0800 M3510A ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517)

AC0800 M3519 AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P)

AC0800 M3559A MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P)

CODE AC0801..... ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER:

AC0801 M3227 COMPARATIVE STUDY OF VACUUM-CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)

AC0801 M3292A MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363)

AC0801 M3723 VACUUM-CHAMBER, EARLY TESTING REQUIREMENTS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. J SUSTA. 4/5/66, 4P)

CODE AC1001..... ADVANCD-ACCELERATOR, BEAM EXTRACTION, MAGNETS:

AC1001 M3451 BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)

AC1001 M3561 COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P)

CODE AC1100.....ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS:

AC1100 M3247 EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)

CODE AC1110.....ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA:

AC1110 M3577 COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/4/65, 12P)

AC1110 M3585 COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS, PART 2 (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/22/65, 6P)

CODE AC1120.....ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA:

AC1120 M3516 COST ESTIMATE NUMBER 3 (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREAS. R MEUSER. 3/16/65, 15P)

AC1120 M3541 POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P)

AC1120 M3563 SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P)

AC1120 M3564 TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P)

AC1120 M3612A SAFETY RECOMMENDATIONS FOR THE EXPERIMENTAL-HALL (ADVANCED ACCELERATOR, LONG PROTON BEAM AREA. P HERNANDEZ. 10/5/65 R11/1/65, 3P UCID 2649)

AC1120 M3648 THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)

AC1120 M3652 OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P)

AC1120 M3653 OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)

AC1120 M3664 TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P)

AC1120 M3665 TARGET MAGNETS, DYNAMIC CHARACTERISTICS (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 2P)

AC1120 M3682 PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P)

AC1120 M3687 TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P)

CODE AC1200.....ADVANCD-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION:

AC1200 M3508 ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)

AC1200 M3514 SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)

AC1200 M3534 ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P)

AC1200 M3601 SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)

AC1200 M3602 SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)

AC1200 M3736 SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)

CODE AC1300.....ADVANCD-ACCELERATOR, HANDLING EQUIPMENT:

AC1300 M3535A SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P)

AC1300 M3562A COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P)

AC1300 M3575 TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P)

AC1300 M3626 WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)

AC1300 M3659 COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738)

AC1300 M3662 SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740)

CODE AT0101.....TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION:

AT0101 M3251 1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)

AT0101 M3419 HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)

CODE AT0102.....TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION:

AT0102 M3111 STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)

AT0102 M3180 ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)

AT0102 M3187 VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)

AT0102 M3197 COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)

AT0102 M3235 SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)

AT0102 M3252 BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)

AT0102 M3402 LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)

AT0102 M3497 CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)

CODE BE0104..... BEVATRON, BUILDING, UTILITIES:

BE0104 M3112 ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)

BE0104 M3192 RECOMMENDED CHANGES TO LCW-SYSTEMS TO ACCOMMODATE NEW LOADS (BEVATRON. W EATON, F CROSBY. 11/20/63, 3P)

CODE BE0503.....BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM:

BE0503 M3276A BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)

CODE BE0601..... BEVATRON, MISCELLANEOUS:

BE0601 M3046A DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P)

BE0601 M3207 DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)

BE0601 M3467 SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)

CODE BE0610.....BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES:

BE0610 M3062 EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)

BE0610 M3115 HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)

BE0610 M3186 BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)

BE0610 M3289A ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)

BE0610 M3317 30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)

BE0610 M3459 DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. ) 11/8/64, 12P)

CODE BE0701.....BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS:

BE0701 M3048 LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)

BE0701 M3702 CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)

BE0701 M3726A CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P)

BE0701 M3729 EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P)

BE0701 M3734 MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P)

CODE BE0702.....BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS:

BE0702 M3036 HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)

BE0702 M3123A GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P)

BE0702 M3135 STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)

BE0702 M3136 GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)

BE0702 M3137 GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)

BE0702 M3138 GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)

BE0702 M3139 GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)

BE0702 M3485 EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)

BE0702 M3731 UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783)

BE0702 M3732 BEARING TESTS FOR APPLICATION IN VACUUM OF 1X10*-6 TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)

BE0702 M3754 STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)

CODE BE0705.....BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS.

BE0705 M3061 8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)

BE0705 M3198 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)

BE0705 M3208 AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)

BE0705 M3220A 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)

BE0705 M3256 ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)

BE0705 M3275 18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)

BE0705 M3293 DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)

BE0705 M3329 STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)

BE0705 M3422 INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)

BE0705 M3480 QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)

BE0705 M3483 12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P)

BE0705 M3486 8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P)

BE0705 M3590 INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P)

BE0705 M3667A 12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744)

BE0705 M3700 12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P)

CODE BE0706.....BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS:

BE0706 M3080 MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)

BE0706 M3349 8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438)

CODE BE0708..... BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES:

BE0708 M3024 VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)

BE0708 M3102 VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P)

BE0708 M3324A TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)

BE0708 M3368A PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON,. G EDWARDS. 7/17/64, R12/21/64, 3P)

BE0708 M3472 VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)

CODE BE0709..... BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC.:

BE0709 M3004 OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)

BE0709 M3055 OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)

BE0709 M3151A 2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)

BE0709 M3221 HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)

BE0709 M3278 SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)

BE0709 M3355 HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)

BE0709 M3356 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)

BE0709 M3469 OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)

BE0709 M3592 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)

BE0709 M3594 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)

BE0709 M3670 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)

BE0709 M3693 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)

BE0709 M3694 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)

BE0709 M3728 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)

CODE BE0801..... BEVATRON, EXTERNAL PROTON BEAM:

BE0801 M3127B EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)

BE0801 M3583A LIQUID-LEVEL-SYSTEM, INTERPRETING OUTPUT READINGS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 6/21/65, R6/24/65, 3P)

BE0801 M3596 LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P)

BE0801 M3598 LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P)

BE0801 M3678 LIQUID-LEVEL-SYSTEM, DATA RECORDING AND REDUCTION (BEVATRON EXTERNAL PROTON BEAM. S RICE. 1/26/66, 7P)

BE0801 M3684 LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P)

CODE BE0802..... BEVATRON, EXTERNAL PROTON BEAM, TARGETS:

BE0802 M3020 MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)

BE0802 M3082 BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)

BE0802 M3640 RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P)

CODE BE0803.....BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL:

BE0803 M3016 M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)

CODE BE0804.....BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES:

BE0804 M3094 M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)

BE0804 M3103 AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)

BE0804 M3176A M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)

BE0804 M3177A M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)

BE0804 M3327 EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)

BE0804 M3490 M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)

BE0804 M3708 MAGNET M-5 MARK-2 DESIGN (BEVATRON-EXTERNAL PROTON BEAM TRANSPORT MAGNETS. D VORKOEPER. 12/2/65, 6P)

CODE BE0805.....BEVATRON, EXTERNAL PROTON BEAM, SHIELDING:

BE0805 M3030 CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)

BE0805 M3037 CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)

CODE BE0806..... BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES:

BE0806 M3193 TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)

BE0806 M3391 BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)

CODE BE0902..... BEVATRON, INJECTOR-II, ION-SOURCE:

BE0902 M3017 HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)

BE0902 M3494 MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P)

CODE BE0903.....BEVATRON, INJECTOR-II, ION-GUN:

BE0903 M3028 REDUCTION OF VIBRATION CAUSED BY MG-SET (BEVATRON INJECTOR-II ION GUN HIGH-VOLTAGE TERMINAL. W EATON. 4/12/63, 3P)

CODE BE0904.....BEVATRON, INJECTOR-II, ION-GUN TO LINAC:

BE0904 M3074 PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P)

BE0904 M3645A SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P)

CODE BE0905.....BEVATRON, INJECTOR-II, LINAC:

BE0905 M3001A EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)

BE0905 M3002 HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P)

BE0905 M3006 CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)

BE0905 M3043 DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)

BE0905 M3091 DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR-II LINAC. S JOHNSON. 7/8/63, 3P)

BE0905 M3098 THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P)

BE0905 M3108 COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)

BE0905 M3116 LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)

BE0905 M3124 OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)

BE0905 M3214 LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)

BE0905 M3215 INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P)

BE0905 M3346A MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411)

BE0905 M3351 FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)

BE0905 M3366 RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P)

BE0905 M3400 DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)

CODE BE0906.....BEVATRON, INJECTOR-II, LINAC TO INFLECTOR:

BE0906 M3003 BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)

BE0906 M3013 MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)

BE0906 M3022 PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)

BE0906 M3057 STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332)

BE0906 M3706 CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756)

CODE BE0907.....BEVATRON, INJECTOR-II, INFLECTOR:

BE0907 M3005 BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)

BE0907 M3010 MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)

BE0907 M3118A ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)

BE0907 M3131 METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)

BE0907 M3132 CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)

BE0907 M3420B INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)

BE0907 M3581 INFLECTOR SURVEY RESULTS JUNE 1965 (BEVATRON, INJECTOR-II. S JOHNSON. 6/18/65, 3P)

CODE BE1130.....BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE:

BE1130 M3040 SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)

BE1130 M3041 BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)

BE1130 M3073 CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P)

BE1130 M3075 SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)

BE1130 M3076 HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)

BE1130 M3077 SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P)

BE1130 M3460 DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)

BE1130 M3461 DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)

BE1130 M3462 DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)

BE1130 M3504 SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)

BE1130 M3572 TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P)

BE1130 M3573 TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P)

BE1130 M3574 QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P)

BE1130 M3766 DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P)

CODE BE1201.....BEVATRON, MAGNET CORE:

BE1201 M3286 MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)

BE1201 M3338 DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)

BE1201 M3448 MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)

CODE BE1210.....BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE:

BE1210 M3042 DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)

CODE BE1301.....BEVATRON, MAGNET COIL:

BE1301 M3758 PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P)

CODE BE1305.....BEVATRON, MAGNET COIL, END WINDING SUPPORTS:

BE1305 M3089 MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P)

CODE BE1401.....BEVATRON, MAGNET POWER-SUPPLY:

BE1401 M3362A MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)

CODE BE1805.....BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS:

BE1805 M3272 DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)

BE1805 M3287 EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)

BE1805 M3372 MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)

CODE CA0100.....184-IN CYCLOTRON, GENERAL:

CA0100 M3165B PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964) (184-INCH CYCLOTRON. L GLASGOW. 10/18/63 R11/1/63 R1/3/64, 11P)

CA0100 M3300 CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)

CA0100 M3313 PROPOSED ACCELERATOR IMPROVEMENTS (PRELIMINARY FY 1965) (184-INCH CYCLOTRON. J VALE, L GLASGOW. 4/21/64, 1P)

CA0100 M3314A ACCELERATOR IMPROVEMENTS, FY-1966, FINAL, (184-INCH CYCLOTRON. L GLASGOW. 4/20/65, R8/2/65, 5P)

CA0100 M3512 PROPOSED ACCELERATOR IMPROVEMENTS (FY 1967. 184-INCH CYCLOTRON. L GLASGOW. 3/8/65, 4P)

CA0100 M3722 PROPOSED ACCELERATOR IMPROVEMENTS, FY-1968 (184 CYCLOTRON. L GLASGOW. 3/30/66, 4P)

CA0100 M3724 MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P)

CODE CA0101.....184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE:

CA0101 M3019 MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)

CA0101 M3032 300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)

CA0101 M3554 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)

CODE CA0102..... 184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT:

CA0102 M3625 ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)

CODE CA0200.....184-IN CYCLOTRON, IMPROVEMENTS:

CA0200 M3474 KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)

CA0200 M3518 EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)

CODE CA0202..... 184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING:

CA0202 M3031A PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)

CA0202 M3125 SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)

CA0202 M3126 SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)

CA0202 M3142A PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)

CA0202 M3146 USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)

CA0202 M3222 PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)

CA0202 M3223 PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)

CA0202 M3353A FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P)

CA0202 M3555 STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)

CA0202 M3556 STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P)

CODE CA0203.....184-IN CYCLOTRON, IMPROVEMENTS, SHIELDING:

CA0203 M3245 STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)

CA0203 M3325 SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)

CA0203 M3709A REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)

CODE CA0206 .....184-IN CYCLOTRON, IMPROVEMENTS, CENTRAL AREA STUDIES:

CA0206 M3477B MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)

CODE CA0303.....184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS:

CA0303 M3081 CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P)

CA0303 M3086 FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)

CODE CB0100.....88-IN CYCLOTRON, MECHANICAL:

CB0100 M3428 BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)

CODE CB0101.....88-IN CYCLOTRON, MECHANICAL, MAGNET:

CB0101 M3122 A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)

CODE CB0103.....88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS:

CB0103 M3250 POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPER. 1/29/64, 2P)

CB0103 M3399 COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)

CODE CB0112.....88-IN CYCLOTRON, MECHANICAL, DEE:

CB0112 M3296 DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)

CB0112 M3303 TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)

CB0112 M3379 SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)

CODE CB0120.....88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM:

CB0120 M3255 TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)

CB0120 M3604 POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)

CB0120 M3733 PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P)

CB0120 M3740 CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P)

CB0120 M3744A RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P)

CODE CB0121..... 88-IN CYCLOTRON, MECHANICAL, DEE TANK:

CB0121 M3285 HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)

CB0121 M3359 INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403)

CODE CB0125..... 88-IN CYCLOTRON, MECHANICAL, DEFLECTOR:

CB0125 M3213 WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)

CB0125 M3380A REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)

CB0125 M3565 DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P)

CB0125 M3655 DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P)

CB0125 M3697 COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P)

CODE CB0130..... 88-IN CYCLOTRON, MECHANICAL, ION-SOURCE:

CB0130 M3059 ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)

CODE CB0140..... 88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT:

CB0140 M3610 LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)

CB0140 M3618A LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)

CODE CB0200.....88-IN CYCLOTRON, ACCESSORY EQUIPMENT:

CB0200 M3185 CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)

CB0200 M3311 ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)

CB0200 M3312 ACCELERATOR IMPROVEMENTS, (FOR FY 65, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)

CODE CB0201.....88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS:

CB0201 M3316 CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)

CB0201 M3363 BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)

CB0201 M3370 BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)

CB0201 M3438 BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)

CODE CB0301.....88-IN CYCLOTRON, MISCELLANEOUS, IMPROVEMENTS:

CB0301 M3166C ACCELERATOR IMPROVEMENTS (FOR FY 64, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, J HAUGHIAN, W DEXTER, R BURLEIGH, N GOODHUE. 10/21/63 R11/4/63 R11/15/63 R2/21/64, 8P)

CODE HD0102.....72-IN HYDROGEN BUBBLE-CHAMBER, DEVELOPMENT:

HD0102 M3052 NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)

HD0102 M3054 NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)

HD0102 M3060 NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)

HD0102 M3087 NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)

HD0102 M3410 NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)

HD0102 M3427 NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)

CODE HD0103..... 72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET:

HD0103 M3696 IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P)

HD0103 M3751 MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)

CODE HD0201..... 82-IN BUBBLE-CHAMBER, CONVERSION FROM 72-INCH:

HD0201 M3666A MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)

CODE HD0202..... 82-IN BUBBLE-CHAMBER, ILLUMINATION:

HD0202 M3713 SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P)

HD0202 M3716 IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 9P)

HD0202 M3717 CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P)

HD0202 M3719 FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR N = 1.39 (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 3P)

HD0202 M3720 CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P)

HD0202 M3742A SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORGREN, 5/27/66 R 5/31/66)

HD0202 M3752 COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/26/66 3P.)

HD0202 M3756 COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/27/66, 7P.)

HD0202 M3757 RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P)

HD0202 M3765 HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P)

HD0202 M3771 TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P)

HD0202 M3774 METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/30/66, 4P)

HD0202 M3775 PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P)

CODE HD0203 ..... 82-INCH BUBBLE-CHAMBER, OPTICS:

HD0203 M3707 WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORGREN. 3/11/66, 2P)

CODE HE0102 ..... 25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET:

HE0102 M3224 MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)

HE0102 M3233 MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)

CODE HE0103 ..... 25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM:

HE0103 M3101 DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)

HE0103 M3168A LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)

HE0103 M3232 STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)

CODE HE0105 ..... 25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS:

HE0105 M3149 HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORGREN. 9/25/63, 1P)

CODE HE0106 ..... 25-IN HYDROGEN BUBBLE-CHAMBER, OPERATION:

HE0106 M3171 BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P)

HE0106 M3290 BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)

HE0106 M3386A HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347)

CODE HF0101 ..... 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION:

HF0101 M3663 CAMERA OBJECT-SPACE DIMENSIONS (80-INCH BNL BUBBLE-CHAMBER, STEREO IMAGE CALIBRATION. D NORGREN. 1/6/66, 1P UCID 2742)

CODE HF0102 ..... 80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION:

HF0102 M3669 FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA ECONOMICS OF OPERATION. D NORGREN. 1/10/66, 2P UCID 2743)

CODE HF0103 ..... 80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY:

HF0103 M3675 TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORGREN. 1/14/66, 5P UCID 2746)

CODE LA0100..... HEAVY-ION ACCELERATOR:

LA0100 M3167B ACCELERATOR IMPROVEMENTS (FOR FY 1964, PROPOSED) (HEAVY ION ACCELERATOR. E HUBBARD, F VOELKER, E HOYER, R BURLEIGH. 10/21/63 R11/5/63 R1/22/64, 12P)

LA0100 M3262 COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)

CODE LA0101..... HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE:

LA0101 M3067 PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)

LA0101 M3100 PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)

CODE LA0102..... HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS:

LA0102 M3025 BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)

LA0102 M3084 CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)

LA0102 M3140C 20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. 11/17/63 R1/10/66, 5P)

LA0102 M3141 CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)

LA0102 M3189 ONE-HALF INCH WATER FLOWSWITCH (HEAVY-ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P)

LA0102 M3196 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)

LA0102 M3280 WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)

LA0102 M3330 BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)

LA0102 M3424A BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)

LA0102 M3430 DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P)

LA0102 M3491 CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)

LA0102 M3633 DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P)

CODE LA0103 ..... HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS:

LA0103 M3083 HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)

LA0103 M3334 FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P)

LA0103 M3549 TANK LEVEL AND END DEFLECTION MEASUREMENTS ( HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P)

CODE LA0105 ..... HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR:

LA0105 M3064 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)

LA0105 M3065 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)

LA0105 M3066 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)

LA0105 M3069 4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)

LA0105 M3070 MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)

LA0105 M3097 COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)

LA0105 M3128 STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P)

LA0105 M3150 100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)

LA0105 M3328 EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)

LA0105 M3487 POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)

LA0105 M3550 DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)

CODE LA0106..... HEAVY-ION ACCELERATOR, GENERAL, SHIELDING:

LA0106 M3375 SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)

LA0106 M3376 SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)

LA0106 M3378 SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)

CODE LA0107..... HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING:

LA0107 M3395 EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)

LA0107 M3409 PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)

LA0107 M3415 PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)

LA0107 M3417 HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)

LA0107 M3463 COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)

LA0107 M3466 TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)

LA0107 M3547 DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P)

LA0107 M3576 PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P)

LA0107 M3595 TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P)

LA0107 M3611 PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)

LA0107 M3632 COMPARISON OF DIELECTRIC COOLANTS (HEAVY ION ACCELERATOR, ACCELERATOR COOLING. J HAUGHIAN. 11/18/65, 11P)

CODE LA0108 ..... HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES:

LA0108 M3613 ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)

LA0108 M3656 PROPOSED INJECTOR TERMINAL IMPROVEMENTS (HEAVY ION ACCELERATOR ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 12/23/65, 7P)

LA0108 M3685 COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P)

LA0108 M3686 FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITES. J HAUGHIAN. 2/8/66, 2P)

CODE MN0201 ..... OMNITRON, SYNCHROTRON, RF-SYSTEM:

MN0201 M3674 RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)

CODE PC0101 ..... PROPANE BUBBLE-CHAMBERS, OPERATION:

PC0101 M3282 HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)

CODE RA0200 ..... INORGANIC MATERIALS RESEARCH:

RA0200 M3274 MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRSING. 3/3/64, 7P)

RA0200 M3318 MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)

RA0200 M3404 MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRSING. 9/4/64, 3P)

RA0200 M3558 SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P)

RA0200 M3629 MOLECULAR BEAM REACTION-CHAMBER , REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRSING. 11/11/65, 3P)

RA0200 M3712 STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758)

CODE RA0201 ..... INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY:

RA0201 M3266 CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRSING. 2/19/64, 5P)

CODE RA0202 ..... INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY:

RA0202 M3657 CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P)

RA0202 M3658 LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P)

RA0202 M3673 FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P)

CODE RA0203..... INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS:

RA0203 M3147 NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988)

RA0203 M3161 COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRSING. 10/9/63, 3P)

RA0203 M3335 DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340)

RA0203 M3569 PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING. 5/24/65, 4P)

CODE RA0204..... INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC:

RA0204 M3099 RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)

RA0204 M3114 SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)

RA0204 M3121 INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)

CODE RB0100..... BIOLOGY AND MEDICINE RESEARCH:

RB0100 M3517A LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P)

CODE RB0101 ..... BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS:

RB0101 M3029 WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)

RB0101 M3231 WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)

RB0101 M3413 WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P)

RB0101 M3637 ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P)

RB0101 M3642 RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P)

RB0101 M3725 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)

CODE RB0104 ..... BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON:

RB0104 M3521 ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P)

CODE RB0108 ..... BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS:

RB0108 M3129 COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P)

RB0108 M3297 184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)

RB0108 M3301 PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)

RB0108 M3307 FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)

RB0108 M3308B PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)

RB0108 M3323 ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P)

CODE RC0100..... CHEMISTRY RESEARCH:

RC0100 M3218 FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)

RC0100 M3350A ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)

RC0100 M3660 REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P)

RC0100 M3679 SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P)

RC0100 M3689 CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)

RC0100 M3690 SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)

RC0100 M3703 HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P)

RC0100 M3748 HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.)

RC0100 M3750 ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.)

CODE RC0101..... CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY:

RC0101 M3038 A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)

RC0101 M3063 FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)

RC0101 M3096 MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)

RC0101 M3119 IMPROVED TEMPERATURE-REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)

RC0101 M3203 FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)

CODE RC0102 .....CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT:

RC0102 M3392 RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)

RC0102 M3411A TEMPERATURE-DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 9/8/64 R1/25/65, 17P.)

RC0102 M3435 LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRSING. 10/23/64, 3P)

RC0102 M3458 LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 12/4/64, 7P UCID 2436)

RC0102 M3473 SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)

RC0102 M3476 SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)

RC0102 M3479 SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)

RC0102 M3496 COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 2/3/65, 11P UCID 2458)

RC0102 M3582 CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 6/12/65, 13P)

CODE RC0103 ..... CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS :

RC0103 M3007 ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)

RC0103 M3008 STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)

RC0103 M3015 GLOW-DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)

RC0103 M3023 ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)

RC0103 M3034 DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)

RC0103 M3039 ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)

RC0103 M3044 ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)

RC0103 M3049 MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P)

RC0103 M3051A MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P)

RC0103 M3056 FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)

RC0103 M3058 MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P)

RC0103 M3090 MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 7/3/63, 6P)

RC0103 M3092 DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P)

RC0103 M3153 ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)

RC0103 M3182 MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 11/8/63, 4P)

RC0103 M3204 CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)

RC0103 M3305 ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183)

RC0103 M3309 STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)

RC0103 M3505 CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)

RC0103 M3586 DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599)

RC0103 M3699 CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P)

RC0103 M3747 TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P)

RC0103 M3749 LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY,CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.)

CODE RC0106 ..... CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS:

RC0106 M3157 ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)

CODE RC0107..... CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON :

RC0107 M3711 MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P)

CODE RC0500..... BIO-ORGANIC CHEMISTRY RESEARCH:

RC0500 M3439 GEMS PS-900 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRSING. 10/28/64, 1P)

CODE RC0501..... BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS:

RC0501 M3152 OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)

CODE RP0101..... PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP:

RP0101 M3429 KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P)

RP0101 M3454 PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P)

RP0101 M3456 FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)

RP0101 M3493 PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P)

RP0101 M3495 PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P)

CODE RP0102..... PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP:

RP0102 M3014 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)

RP0102 M3053 MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)

RP0102 M3567 POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)

RP0102 M3599 MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P)

RP0102 M3692 PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)

CODE RP0103 ..... PHYSICS RESEARCH, ALVAREZ GROUP:

RP0103 M3401 STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351)

RP0103 M3405 MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)

RP0103 M3445 MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)

RP0103 M3593 BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)

CODE RP0104 ..... PHYSICS RESEARCH, CROWE GROUP:

RP0104 M3443 MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)

RP0104 M3501 PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)

# SECTION III

## SUBJECT KEYWORD INDEX

In this section, each document is listed under each significant subject keyword appearing in its title.

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| A-FRAME | ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P) | BE0610 M3289A |
| ABSORPTION | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| ACCELERATING | ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P) | AC0200 M3341 |
| ACCELERATING | ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P) | AC0200 M3202 |
| ACCELERATING | COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P) | AC0200 M3727 |
| ACCELERATING-SYSTEM | ADVANCD-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0701 |
| ACCELERATING-SYSTEM | BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II) | CODE BE0503 |
| ACCELERATING-SYSTEM | RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P) | AC0304 M3627 |
| ACCELERATION | A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983) | CB0101 M3122 |
| ACCELERATION | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| ACCELERATOR | ACCELERATOR IMPROVEMENTS, FY-1966, FINAL, (184-INCH CYCLOTRON. L GLASGOW. 4/20/65, R8/2/65, 5P) | CA0100 M3314A |
| ACCELERATOR | ACCELERATOR IMPROVEMENTS, (FOR FY 65, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P) | CB0200 M3312 |
| ACCELERATOR | ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P) | CB0200 M3311 |
| ACCELERATOR | ACCELERATOR IMPROVEMENTS (FOR FY 64, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, J HAUGHIAN, W DEXTER, R BURLEIGH, N GOODHUE. 10/21/63 R11/4/63 R11/15/63 R2/21/64, 8P) | CB0301 M3166C |
| ACCELERATOR | ACCELERATOR IMPROVEMENTS (FOR FY 1964, PROPOSED) (HEAVY ION ACCELERATOR. E HUBBARD, F VOELKER, E HOYER, R BURLEIGH. 10/21/63 R11/5/63 R1/22/64, 12P) | LA0100 M3167B |

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| ACCELERATOR | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| ACCELERATOR | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| ACCELERATOR | BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P) | AA0102 M3540 |
| ACCELERATOR | HEAVY-ION ACCELERATOR (SEE THIS CODE IN SECTION II) | CODE LA0100 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II) | CODE LA0101 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS (SEE THIS CODE IN SECTION II) | CODE LA0102 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II) | CODE LA0103 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II) | CODE LA0105 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, SHIELDING (SEE THIS CODE IN SECTION II) | CODE LA0106 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II) | CODE LA0107 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II) | CODE LA0107 |
| ACCELERATOR | HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II) | CODE LA0108 |
| ACCELERATOR | PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P) | AA0102 M3539 |
| ACCELERATOR | PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964) (184-INCH CYCLOTRON. L GLASGOW. 10/18/63 R11/1/63 R1/3/64, 11P) | CA0100 M3165B |
| ACCELERATOR | PROPOSED ACCELERATOR IMPROVEMENTS (PRELIMINARY FY 1965) (184-INCH CYCLOTRON. J VALE, L GLASGOW. 4/21/64, 1P) | CA0100 M3313 |
| ACCELERATOR | PROPOSED ACCELERATOR IMPROVEMENTS (FY 1967. 184-INCH CYCLOTRON. L GLASGOW. 3/8/65, 4P) | CA0100 M3512 |
| ACCELERATOR | PROPOSED ACCELERATOR IMPROVEMENTS, FY-1968 (184 CYCLOTRON. L GLASGOW. 3/30/66, 4P) | CA0100 M3722 |

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| ACCELERATOR | VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P) | AA0102 M3173 |
| ACCEPTABILITY | TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P) | SPEC. M377 |
| ACCEPTANCE | ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P) | BE0610 M3289A |
| ACCESS | ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P) | AC1200 M3508 |
| ACCESS | SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497) | AC0300 M3537 |
| ACCESS | SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P) | AC1200 M3514 |
| ACCESSWAY | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II) | CODE AC0410 |
| ACCESSWAYS | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II) | CODE AC0411 |
| ACCESSWAYS | ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P) | AC0410 M3560A |
| ACCIDENT | ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P) | AA0300 M3277 |
| ACCOUNTS | DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P) | RC0103 M3092 |
| ACTUATORS | MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P) | BE0802 M3020 |
| ADHESIVE | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |
| ADHESIVE | HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P) | LA0103 M3083 |
| ADHESIVE | PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3495 |
| ADHESIVES | INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II) | CODE AB0108 |
| ADMINISTRATIVE | ADMINISTRATIVE METHODS AND PROCEDURES (SEE THIS CODE IN SECTION II) | CODE AA0101 |

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| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II) | CODE AC0101 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, LINAC INJECTOR (SEE THIS CODE IN SECTION II) | CODE AC0200 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II) | CODE AC0250 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0220 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, SYNCHROTRON INJECTOR (SEE THIS CODE IN SECTION II) | CODE AC0300 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II) | CODE AC0301 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0302 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0303 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0304 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0305 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II) | CODE AC0402 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II) | CODE AC0404 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II) | CODE AC0405 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II) | CODE AC0406 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0409 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II) | CODE AC0410 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II) | CODE AC0411 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN RING MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0500 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II) | CODE AC0501 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0502 |

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| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0503 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0505 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0508 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0701 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0800 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER (SEE THIS CODE IN SECTION II) | CODE AC0801 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC1001 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II) | CODE AC1100 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA (SEE THIS CODE IN SECTION II) | CODE AC1110 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II) | CODE AC1120 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II) | CODE AC1200 |
| ADVANCD-ACCELERATOR | ADVANCD-ACCELERATOR, HANDLING EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AC1300 |
| AGS | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| AGS | VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P) | AA0102 M3631 |
| AIR | COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P) | AC0304 M3381 |
| AIR | DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599) | RC0103 M3586 |
| AIR | MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P) | RP0103 M3405 |
| AIR | NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988) | RA0203 M3147 |

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| AIR | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |
| AIR | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| AIR | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| AIR | RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P) | RA0204 M3099 |
| AIR-LOCK | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P) | BE0702 M3138 |
| ALGEBRA | AN INTRODUCTION TO VECTOR ALGEBRA (R SCHWARZ. 3/22/65 R4/20/65, 17P) | AA0123 M3525A |
| ALIGNMENT | ADVANCD-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0220 |
| ALIGNMENT | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II) | CODE AC0406 |
| ALIGNMENT | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0508 |
| ALIGNMENT | ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P) | AC0406 M3688 |
| ALIGNMENT | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| ALIGNMENT | ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380) | AA0901 M3423 |
| ALIGNMENT | AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P) | AC0508 M3237 |
| ALIGNMENT | CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE RC0102 |
| ALIGNMENT | INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P) | AC0220 M3597 |

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| ALIGNMENT | LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRSING. 10/23/64, 3P) | RC0102 M3435 |
| ALIGNMENT | MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418) | AA0901 M3441 |
| ALIGNMENT | MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420) | RP0104 M3443 |
| ALIGNMENT | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P) | AC0406 M3607 |
| ALIGNMENT | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P) | AC0406 M3603 |
| ALIGNMENT | 12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P) | BE0705 M3483 |
| ALIGNMENT | 8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P) | BE0705 M3486 |
| ALIGNMENT-SYSTEM | A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P) | AC0404 M3230 |
| ALIGNMENT-SYSTEM | A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018) | AC0508 M3200 |
| ALLOY | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| ALLYL-DIGLYCOL-CARB | ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P) | AA0106 M3741 |
| ALPHA | ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P) | RC0106 M3157 |
| ALPHA | CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II) | CODE RC0106 |
| ALPHA | 184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P) | RB0108 M3297 |
| ALTERNATING-GRADIEN | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0505 |

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| ALTERNATING-GRADIEN | ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492) | AC0501 M3526 |
| ALTERNATING-GRADIEN | SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P) | AC0404 M3522 |
| ALTITUDE | BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P) | RP0103 M3593 |
| ALUMINA | CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P) | RC0103 M3204 |
| ALUMINIZED | FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P) | SPEC. M375 |
| ALUMINUM | ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P) | AT0102 M3180 |
| ALUMINUM | ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.) | RC0100 M3750 |
| ALUMINUM | BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P) | AC0503 M3755 |
| ALUMINUM | BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P) | AT0102 M3252 |
| ALUMINUM | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |
| ALUMINUM | PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P) | AA0300 M3225 |
| ALUMINUM | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| ALVAREZ | PHYSICS RESEARCH, ALVAREZ GROUP (SEE THIS CODE IN SECTION II) | CODE RP0103 |
| AMALGAM | MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412) | RP0103 M3445 |
| AMPLIFIER-SYSTEM | BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II) | CODE BE0503 |

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| ANACONDA-AMERICAN-B | VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P) | AA0114 M3079 |
| ANALOG | A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P) | AA0123 M3271 |
| ANALOG | PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P) | AA0123 M3088 |
| ANALOG | THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P) | AA0123 M3236 |
| ANALYSER | THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P) | AA0123 M3236 |
| ANALYSIS | ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P) | RB0104 M3521 |
| ANALYSIS | ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P) | AC1200 M3534 |
| ANALYSIS | ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P) | BE0610 M3289A |
| ANALYSIS | RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P) | AC0304 M3627 |
| ANALYSIS | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P) | AC1200 M3601 |
| ANALYSIS | STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P) | CA0202 M3555 |
| ANALYSIS | VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P) | AT0102 M3187 |
| ANALYSIS-SYSTEM | BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404) | CB0201 M3363 |
| ANALYSIS-SYSTEM | BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405) | CB0201 M3370 |
| ANALYSIS-SYSTEM | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| ANALYTICAL-ENGINEER | ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P) | AA0123 M3488 |

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| ANALYTICAL-ENGINEER | ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P) | AA0123 M3489 |
| ANIMAL-HOUSE | ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P) | RB0101 M3637 |
| ANNEALING | HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P) | SPEC. M370 |
| ANODE | ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230) | CB0130 M3059 |
| ANTI-BACKLASH | ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P) | AA0501 M3426 |
| APERTURE | GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P) | AC0303 M3646 |
| APERTURE | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| APPARATUS | BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II) | CODE RC0501 |
| APPARATUS | BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II) | CODE RB0108 |
| APPARATUS | MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P) | RC0107 M3711 |
| ARGONNE | LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352) | AT0102 M3402 |
| ARGONNE | PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P) | AA0102 M3539 |
| ARGONNE | TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P) | AA0102 M3373 |
| ARGONNE | VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 1P) | AA0102 M3432 |
| ARGONNE-NATIONAL-LA | AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P) | AA0102 M3178 |
| ARMOR | HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P) | BE1130 M3076 |
| ARMS | BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P) | BE0610 M3186 |

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| ARMY | ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORGREN. 6/13/66, 2P) | AA0130 M3760 |
| ASME | ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P) | AA0102 M3093 |
| ASME | ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P) | AA0102 M3333 |
| ASME | 1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE ( TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P) | AA0102 M3584 |
| ASSEMBLIES | 8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P) | BE0705 M3061 |
| ASSEMBLIES | 8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P) | SPEC. M348B |
| ASSEMBLY | BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P) | LA0102 M3424A |
| ASSEMBLY | CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P) | AB0400 M3120A |
| ASSEMBLY | GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P) | BE0702 M3137 |
| ASSEMBLY | PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331) | AA0114 M3047 |
| ASSEMBLY | PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3449 |
| ASSEMBLY | SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P) | BE1130 M3040 |
| ASSEMBLY | WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P) | LA0102 M3280 |
| ASSEMBLY | 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P) | BE0705 M3220A |
| ATOMICS | ATOMICS INTERNATIONAL (CANOGA PARK, CALIFORNIA TRIP REPORT. P HERNANDEZ. 4/15/65, 2P UCID 2509) | AA0102 M3542 |
| AUTHORS | ENGINEERING-NOTE AUTHORS GUIDE (J TURNER. 7/27/64 R8/20/64 R12/21/66, 3P UCID 2485) | AA0128 M3374B |

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| AVS | AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P) | AA0102 M3178 |
| AVS | MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273) | AA0112 M3342 |
| BACKSTOP | TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P) | AC0300 M3647 |
| BAKELITE | HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.) | RC0100 M3748 |
| BAKING | ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P) | RC0103 M3007 |
| BALANCE | STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P) | BE0702 M3754 |
| BALL | UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783) | BE0702 M3731 |
| BALLOON | BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P) | RP0103 M3593 |
| BARB | WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P) | LA0102 M3280 |
| BARBS | DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P) | BE0705 M3293 |
| BEAM | A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P) | AC0404 M3230 |
| BEAM | ADVANCD-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC1001 |
| BEAM | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II) | CODE AC1120 |
| BEAM | BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404) | CB0201 M3363 |

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| BEAM | BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405) | CB0201 M3370 |
| BEAM | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| BEAM | BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P) | AC1001 M3451 |
| BEAM | BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P) | BE0906 M3003 |
| BEAM | BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P) | BE0907 M3005 |
| BEAM | BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P) | AC0404 M3336 |
| BEAM | BEVATRON, EXTERNAL PROTON BEAM (SEE THIS CODE IN SECTION II) | CODE BE0801 |
| BEAM | BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II) | CODE BE0802 |
| BEAM | BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II) | CODE BE0803 |
| BEAM | BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0804 |
| BEAM | BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II) | CODE BE0805 |
| BEAM | BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II) | CODE BE0806 |
| BEAM | BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II) | CODE BE1805 |
| BEAM | BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P) | AC0300 M3452 |
| BEAM | CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P) | BE0907 M3132 |
| BEAM | COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P) | AC1001 M3561 |

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| BEAM | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| BEAM | EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337) | BE0804 M3327 |
| BEAM | EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P) | AA0300 M3609 |
| BEAM | EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P) | BE0801 M3127B |
| BEAM | IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P) | AA0114 M3195 |
| BEAM | MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P) | BE1305 M3089 |
| BEAM | MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P) | CA0206 M3477B |
| BEAM | METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P) | BE0907 M3131 |
| BEAM | MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P) | RA0200 M3318 |
| BEAM | MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRSING. 9/4/64, 3P) | RA0200 M3404 |
| BEAM | MOLECULAR BEAM REACTION-CHAMBER , REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRSING. 11/11/65, 3P) | RA0200 M3629 |
| BEAM | RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P) | AC0304 M3627 |
| BEAM | SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P) | AC1120 M3563 |
| BEAM | SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P) | AC0404 M3522 |

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| BEAM | THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P) | AC0404 M3270 |
| BEAM | TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P) | AC0404 M3360 |
| BEAM | TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P) | AC0300 M3647 |
| BEAM | 184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P) | RB0108 M3297 |
| BEAM | 30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215) | BE0610 M3317 |
| BEAM | 88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II) | CODE CB0201 |
| BEAMS | BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P) | AC0404 M3336 |
| BEAMS | CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P) | AC0404 M3523 |
| BEAMS | CROSS-SECTION PARAMETERS FOR DEEP BEAMS (8-FT TO 15-FT DEEP, ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W SALSIG. 1/24/64, 7P) | AC0404 M3242 |
| BEAMS | DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P) | AA0129 M3194 |
| BEAMS | DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P) | AC0404 M3520 |
| BEAMS | GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P) | AC0302 M3680 |
| BEAMS | GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P) | AC0302 M3680 |
| BEAMS | MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P) | AC0302 M3578 |

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| BEAMS | NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P) | AC0404 M3283 |
| BEAMS | PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P) | AC0404 M3229 |
| BEAMS | STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P) | CA0202 M3555 |
| BEAMS | STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P) | CA0202 M3556 |
| BEAMS | YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P) | AC0404 M3321 |
| BEARING | BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P) | BE0802 M3082 |
| BEARING | BEARING TESTS FOR APPLICATION IN VACUUM OF 1X10**-6 TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784) | BE0702 M3732 |
| BEARING | DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P) | HE0103 M3101 |
| BEARING | MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P) | RP0103 M3405 |
| BEARING | MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P) | BE0706 M3080 |
| BELL | CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P) | AB0403 M3033 |
| BELLOWS | DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P) | LA0105 M3550 |
| BELLOWS | PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P) | LA0107 M3415 |
| BELLOWS | 82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P) | SPEC M389 |
| BELTS | TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORGREN. 1/14/66, 5P UCID 2746) | HF0103 M3675 |
| BENCH | OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P) | RC0501 M3152 |

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| BENDING | CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P) | CB0201 M3316 |
| BENDING | COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON. M GREEN. 7/1/65, 38P) | AC0301 M3591 |
| BENDING | PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P) | SPEC. M367A |
| BERYLCO-25 | STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758) | RA0200 M3712 |
| BETA | BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P) | LA0102 M3424A |
| BETA | CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II) | CODE RC0101 |
| BEVATRON | BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II) | CODE BE0503 |
| BEVATRON | BEVATRON, BUILDING, UTILITIES (SEE THIS CODE IN SECTION II) | CODE BE0104 |
| BEVATRON | BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II) | CODE BE0701 |
| BEVATRON | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| BEVATRON | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II) | CODE BE0705 |
| BEVATRON | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II) | CODE BE0706 |
| BEVATRON | BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0708 |
| BEVATRON | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| BEVATRON | BEVATRON, EXTERNAL PROTON BEAM (SEE THIS CODE IN SECTION II) | CODE BE0801 |
| BEVATRON | BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II) | CODE BE0802 |
| BEVATRON | BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II) | CODE BE0803 |
| BEVATRON | BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0804 |

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| BEVATRON | BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II) | CODE BE0805 |
| BEVATRON | BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II) | CODE BE0806 |
| BEVATRON | BEVATRON, INJECTOR-II, ION-SOURCE (SEE THIS CODE IN SECTION II) | CODE BE0902 |
| BEVATRON | BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II) | CODE BE0904 |
| BEVATRON | BEVATRON, INJECTOR-II, ION-GUN (SEE THIS CODE IN SECTION II) | CODE BE0903 |
| BEVATRON | BEVATRON, INJECTOR-II, LINAC (SEE THIS CODE IN SECTION II) | CODE BE0905 |
| BEVATRON | BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II) | CODE BE0906 |
| BEVATRON | BEVATRON, INJECTOR-II, INFLECTOR (SEE THIS CODE IN SECTION II) | CODE BE0907 |
| BEVATRON | BEVATRON, MAGNET CORE (SEE THIS CODE IN SECTION II) | CODE BE1201 |
| BEVATRON | BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II) | CODE BE1210 |
| BEVATRON | BEVATRON, MAGNET COIL (SEE THIS CODE IN SECTION II) | CODE BE1301 |
| BEVATRON | BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II) | CODE BE1305 |
| BEVATRON | BEVATRON, MAGNET POWER-SUPPLY (SEE THIS CODE IN SECTION II) | CODE BE1401 |
| BEVATRON | BEVATRON, MISCELLANEOUS (SEE THIS CODE IN SECTION II) | CODE BE0601 |
| BEVATRON | BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II) | CODE BE0610 |
| BEVATRON | BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II) | CODE BE1130 |
| BEVATRON | BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II) | CODE BE1805 |
| BEVATRON | CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P) | AA0300 M3701 |
| BEVATRON | DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P) | BE0601 M3046A |
| BEVATRON | EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P) | AA0300 M3609 |
| BEVATRON | INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P) | BE0905 M3215 |
| BEVATRON | SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P) | BE0601 M3467 |

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| BIAS | RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P) | AC0304 M3718 |
| BIBLIOGRAPHY | BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P) | AA0300 M3628 |
| BIMETALLIC | BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365) | BE0806 M3391 |
| BIO-ORGANIC | BIO-ORGANIC CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II) | CODE RC0500 |
| BIO-ORGANIC | BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II) | CODE RC0501 |
| BIOLOGY | BIOLOGY AND MEDICINE RESEARCH (SEE THIS CODE IN SECTION II) | CODE RB0100 |
| BIOLOGY | BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II) | CODE RB0101 |
| BIOLOGY | BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II) | CODE RB0104 |
| BIOLOGY | BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II) | CODE RB0108 |
| BLOCK | ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P) | AA0116 M3511 |
| BLOCK | BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P) | BE0610 M3186 |
| BLOCK | BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P) | BE1130 M3041 |
| BLOCK | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| BLOCK | CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4) | AA0116 M3743 |
| BLOCK | CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P) | BE1130 M3073 |
| BLOCK | DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P) | BE1130 M3766 |
| BLOCK | DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P) | BE1130 M3461 |

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| BLOCK | DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P) | BE1130 M3462 |
| BLOCK | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |
| BLOCK | MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P) | CA0101 M3019 |
| BLOCK | QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P) | BE1130 M3574 |
| BLOCK | SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803) | AA0116 M3753 |
| BLOCK | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P) | BE1130 M3573 |
| BLOCK | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P) | BE1130 M3572 |
| BLOCK | 300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P) | CA0101 M3032 |
| BLOCK-HOUSE | HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P) | AA0300 M3622 |
| BLOCKS | DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P) | BE1130 M3460 |
| BLOCKS | HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P) | SPEC. M16C |
| BLOCKS | MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P) | SPEC. M15C |
| BLOCKS | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| BLOCKS | SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P) | CA0202 M3125 |

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| BLOCKS | SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P) | CA0203 M3325 |
| BLOCKS | SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P) | BE1130 M3075 |
| BNL | 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II) | CODE HF0101 |
| BNL | 80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II) | CODE HF0102 |
| BNL | 80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II) | CODE HF0103 |
| BOARD | 25-LINES-PER-INCH PRINTED-CIRCUIT BOARD (A WATANABE. R FULTON. 10/8/65, 1P) | SPEC M388 |
| BODY | BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P) | RP0103 M3593 |
| BODY | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| BODY | NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901) | HD0102 M3052 |
| BODY | NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902) | HD0102 M3054 |
| BODY | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P) | HD0102 M3410 |
| BODY | NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936) | HD0102 M3087 |
| BODY | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P) | HD0102 M3427 |
| BODY | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P) | HD0102 M3427 |
| BODY | STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071) | HE0103 M3232 |
| BODY | VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63, R1/27/64, 5P) | SPEC. M350B |

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| BODY | 82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P) | SPEC M391A |
| BOLTS | AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333) | BE0804 M3103 |
| BOLTS | PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P) | LA0101 M3100 |
| BOLTS | STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P) | AA0109 M3566 |
| BOOK | PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P) | AA0123 M3343 |
| BOOSTER | BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P) | AC0300 M3452 |
| BOOSTER | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |
| BOOSTER | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| BORE | 12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P) | SPEC M378 |
| BORON-NITRIDE | THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P) | AA0107 M3691 |
| BOX | ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P) | AC0406 M3688 |
| BOX-SECTION | CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P) | AC0404 M3523 |
| BRACE | DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P) | BE1201 M3338 |
| BRACKET | ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380) | AA0901 M3423 |

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| BRAZE | PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408) | AA0121 M3437 |
| BRAZING | WELDING, BRAZING , SOLDERING (SEE THIS CODE IN SECTION II) | CODE AA0121 |
| BRAZING | WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRSING. 2/19/65, 4P) | AC0305 M3503 |
| BREAKDOWNS | ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P) | AA0116 M3511 |
| BRIDGE | POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P) | LA0105 M3487 |
| BROOKHAVEN | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| BROOKHAVEN | AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P) | AA0102 M3178 |
| BROOKHAVEN | BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P) | AA0102 M3540 |
| BROOKHAVEN | BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P) | AC0300 M3344 |
| BROOKHAVEN | PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P) | AA0102 M3539 |
| BROOKHAVEN | VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P) | AA0102 M3072 |
| BROOKHAVEN | VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P) | AA0102 M3631 |
| BROOKHAVEN-NATIONAL | STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351) | RP0103 M3401 |
| BRUTUS | BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P) | LA0102 M3025 |
| BUBBLE-CHAMBER | BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P) | AA0300 M3209 |

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| BUBBLE-CHAMBER | BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157) | HE0106 M3290 |
| BUBBLE-CHAMBER | BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P) | HE0106 M3171 |
| BUBBLE-CHAMBER | CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P) | AA0300 M3701 |
| BUBBLE-CHAMBER | HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P) | AA0300 M3622 |
| BUBBLE-CHAMBER | LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P) | HE0103 M3168A |
| BUBBLE-CHAMBER | MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P) | RP0102 M3053 |
| BUBBLE-CHAMBER | NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901) | HD0102 M3052 |
| BUBBLE-CHAMBER | NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902) | HD0102 M3054 |
| BUBBLE-CHAMBER | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P) | HD0102 M3410 |
| BUBBLE-CHAMBER | NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936) | HD0102 M3087 |
| BUBBLE-CHAMBER | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P) | HD0102 M3427 |
| BUBBLE-CHAMBER | STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351) | RP0103 M3401 |
| BUBBLE-CHAMBER | STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071) | HE0103 M3232 |
| BUBBLE-CHAMBER | 25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II) | CODE HE0102 |
| BUBBLE-CHAMBER | 25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II) | CODE HE0103 |

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| BUBBLE-CHAMBER | 25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II) | CODE HE0105 |
| BUBBLE-CHAMBER | 25-IN HYDROGEN BUBBLE-CHAMBER, OPERATION (SEE THIS CODE IN SECTION II) | CODE HE0106 |
| BUBBLE-CHAMBER | 72-IN HYDROGEN BUBBLE-CHAMBER, DEVELOPMENT (SEE THIS CODE IN SECTION II) | CODE HD0102 |
| BUBBLE-CHAMBER | 72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II) | CODE HD0103 |
| BUBBLE-CHAMBER | 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P) | RP0102 M3014 |
| BUBBLE-CHAMBER | 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II) | CODE HF0101 |
| BUBBLE-CHAMBER | 80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II) | CODE HF0102 |
| BUBBLE-CHAMBER | 80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II) | CODE HF0103 |
| BUBBLE-CHAMBER | 82-IN BUBBLE-CHAMBER, CONVERSION FROM 72-INCH (SEE THIS CODE IN SECTION II) | CODE HD0201 |
| BUBBLE-CHAMBER | 82-IN BUBBLE-CHAMBER, ILLUMINATION (SEE THIS CODE IN SECTION II) | CODE HD0202 |
| BUBBLE-CHAMBER | 82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P) | SPEC M391A |
| BUBBLE-CHAMBER | 82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P) | SPEC M389 |
| BUBBLE-CHAMBER | 82-INCH BUBBLE-CHAMBER, OPTICS (SEE THIS CODE IN SECTION II) | CODE HD0203 |
| BUBBLE-CHAMBERS | DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340) | RA0203 M3335 |
| BUBBLE-CHAMBERS | PROPANE BUBBLE-CHAMBERS, OPERATION (SEE THIS CODE IN SECTION II) | CODE PC0101 |
| BUDGET | ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P) | CB0200 M3311 |
| BUILDING | BEVATRON, BUILDING, UTILITIES (SEE THIS CODE IN SECTION II) | CODE BE0104 |
| BUILDING | CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. D CALLAHAN. 3/4/64, 4P) | AC0411 M3279 |

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| BUILDING | CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P) | AA0300 M3701 |
| BUILDING | MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P) | RC0103 M3058 |
| BUILDING | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| BUILDING | 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P) | BE0705 M3220A |
| BUILDING-171 | CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P) | AB0400 M3120A |
| BUILDING-25 | PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 2/28/66, 2P) | AA0300 M3704 |
| BUILDING-62 | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P) | AA0300 M3620 |
| BUILDING-62 | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P) | AA0300 M3671 |
| BUILDING-62 | VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 8/16/65, 7P) | AA0300 M3606 |
| BUILDING-62 | VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 1P) | AA0300 M3621 |
| BUILDING-70 | MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P) | RC0103 M3058 |
| BUILDING-70 | MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 7/3/63, 6P) | RC0103 M3090 |
| BUILDING-70 | MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 11/8/63, 4P) | RC0103 M3182 |
| BUILDING-74 | SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 12/1/65, 1P UCID 2712) | AA0300 M3639 |

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| BUILDINGS | INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P) | AC0300 M3714A |
| BUILDINGS | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| BUNCHER | CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P) | LA0102 M3084 |
| BUNCHER | DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P) | LA0102 M3633 |
| BUNCHER | PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P) | BE0904 M3074 |
| BUNDLE | 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P) | BE0705 M3198 |
| BUOYANT | BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P) | AA0113 M3011 |
| BURST | BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P) | AT0102 M3252 |
| BURSTING | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |
| BUS-BAR-SYSTEM | MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P) | AC0500 M3468 |
| BUSES | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| BUTYL | BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P) | SPEC. M18B |
| BUTYL | BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158) | AA0112 M3294 |
| BUYER | RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P) | AA0101 M3499 |
| C-TYPE | GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P) | SPEC. M374 |

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| CABLE | ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) | CA0102 M3625 |
| CABLES | MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P) | BE0907 M3010 |
| CAL-COMP | FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P) | AA0123 M3337 |
| CAL-COMP | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| CALCULATE | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| CALCULATING | CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P) | AA0100 M3273 |
| CALCULATING | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| CALCULATION | APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P) | AC0505 M3261 |
| CALCULATION | CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P) | CB0120 M3740 |
| CALCULATIONS | BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P) | LA0102 M3330 |
| CALCULATIONS | BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P) | BE0906 M3003 |
| CALCULATIONS | C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P) | AA0114 M3416 |
| CALCULATIONS | CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330) | BE0805 M3037 |
| CALCULATIONS | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |

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| CALCULATIONS | CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P) | BE0907 M3132 |
| CALCULATIONS | CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P) | CB0201 M3316 |
| CALCULATIONS | CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P) | LA0102 M3084 |
| CALCULATIONS | DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P) | CB0112 M3296 |
| CALCULATIONS | EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P) | LA0105 M3328 |
| CALCULATIONS | EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P) | BE0701 M3729 |
| CALCULATIONS | FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P) | RC0100 M3218 |
| CALCULATIONS | INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P) | RA0204 M3121 |
| CALCULATIONS | LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P) | BE0801 M3598 |
| CALCULATIONS | M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P) | BE0804 M3094 |
| CALCULATIONS | M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P) | BE0804 M3490 |
| CALCULATIONS | M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P) | BE0804 M3177A |
| CALCULATIONS | M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336) | BE0804 M3176A |
| CALCULATIONS | MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P) | BE0906 M3013 |
| CALCULATIONS | MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P) | BE1401 M3362A |
| CALCULATIONS | NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902) | HD0102 M3054 |

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| CALCULATIONS | NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936) | HD0102 M3087 |
| CALCULATIONS | NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905) | HD0102 M3060 |
| CALCULATIONS | POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P) | LA0105 M3487 |
| CALCULATIONS | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| CALCULATIONS | STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071) | HE0103 M3232 |
| CALCULATIONS | SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443) | RC0102 M3473 |
| CALCULATIONS | 12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744) | BE0705 M3667A |
| CALCULATIONS | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| CALIBRATION | CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P) | AA0112 M3484 |
| CALIBRATION | CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P) | BE0905 M3006 |
| CALIBRATION | GEMS PS-900 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRSING. 10/28/64, 1P) | RC0500 M3439 |
| CALIBRATION | HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P) | AA0112 M3217 |
| CALIBRATION | THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343) | AA0112 M3364A |
| CALIBRATION | THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P) | AA0112 M3210 |
| CALIBRATION | 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II) | CODE HF0101 |
| CAMBRIDGE | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |

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| CAMBRIDGE | BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P) | AC0300 M3344 |
| CAMERA | ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P) | RB0101 M3637 |
| CAMERA | CAMERA OBJECT-SPACE DIMENSIONS (80-INCH BNL BUBBLE-CHAMBER, STEREO IMAGE CALIBRATION. D NORGREN. 1/6/66, 1P UCID 2742) | HF0101 M3663 |
| CAMERA | IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P) | HD0103 M3696 |
| CAMERA | MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P) | SPEC M383 |
| CAMERA | PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORGREN. 10/12/64, 5P) | SPEC. M372 |
| CAMERA | STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351) | RP0103 M3401 |
| CAMERA | 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P) | RB0101 M3725 |
| CAMERA | 25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II) | CODE HE0105 |
| CAMERA | 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II) | CODE HF0101 |
| CAMERA | 80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II) | CODE HF0102 |
| CAMERA | 80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II) | CODE HF0103 |
| CAP | ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P) | AA0300 M3277 |
| CAP | LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520) | AC0404 M3557 |
| CAP | PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P) | AC0404 M3500 |
| CAPACITIVE | A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P) | AC0304 M3365 |

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| CAPITAL | BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P) | AC0300 M3452 |
| CAPSULE | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| CARBON | A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P) | AA0503 M3106 |
| CARBON-DIOXIDE | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |
| CARRIAGE | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |
| CART | STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P) | RC0103 M3008 |
| CARTER-PRINCETON | CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346) | AA0102 M3384 |
| CASCADE | CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P) | RC0103 M3505 |
| CASCADE | CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P) | RC0103 M3699 |
| CASCADE | CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II) | CODE RC0103 |
| CASTERS | STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P) | RC0103 M3008 |
| CASTING | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| CASTING | STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P) | SPEC M395 |

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| CASTING | 82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P) | SPEC M391A |
| CATHODE | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| CATHODES | GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P) | SPEC. M363 |
| CATHODES | VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P) | SPEC. M351B |
| CAVE | BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II) | CODE RB0104 |
| CAVE | CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P) | CB0201 M3316 |
| CAVE | CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P) | CB0200 M3185 |
| CAVE | MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P) | CA0100 M3724 |
| CAVE | PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P) | CA0202 M3031A |
| CAVE | PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P) | CA0202 M3142A |
| CAVE | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P) | CA0202 M3222 |
| CAVE | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P) | CA0202 M3223 |
| CAVE | SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P) | CA0202 M3125 |
| CAVE | 184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II) | CODE CA0202 |
| CAVES | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| CAVITIES | COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P) | AC0304 M3381 |

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| CAVITIES | COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P) | AC0304 M3348 |
| CAVITY | A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P) | AC0304 M3365 |
| CAVITY | RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452) | AC0304 M3339A |
| CELL | YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P) | AC0404 M3321 |
| CEMENTS | HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P) | BE0905 M3002 |
| CENCO-HYVAC-28 | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P) | AA0112 M3507 |
| CENTERING | THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P) | AC0404 M3270 |
| CERAMIC | CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756) | BE0906 M3706 |
| CERAMIC | EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 7P) | AC0305 M3527 |
| CERAMIC | INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II) | CODE RA0204 |
| CERAMIC | OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P) | AC0305 M3773 |
| CERAMIC | PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0107 |
| CERAMIC | STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 5P) | AC0305 M3529 |
| CERAMIC-TO-METAL | WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRSING. 2/19/65, 4P) | AC0305 M3503 |

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| CERAMICS | WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRSING. 2/19/65, 4P) | AC0305 M3503 |
| CERENKOV | A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P) | AA0500 M3425 |
| CERENKOV | CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P) | BE0701 M3726A |
| CERENKOV | CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P) | BE0701 M3702 |
| CERENKOV | FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P) | SPEC M385 |
| CERENKOV | MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P) | BE0701 M3734 |
| CERENKOV | OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P) | BE0709 M3004 |
| CERENKOV | OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P) | BE0709 M3055 |
| CERENKOV | 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P) | BE0709 M3594 |
| CERENKOV | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |
| CERENKOV | 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P) | AA0300 M3759 |
| CERENKOV | 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P) | BE0709 M3356 |
| CERENKOV | 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P) | BE0709 M3694 |

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| CERENKOV | 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P) | BE0709 M3670 |
| CERENKOV | 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P) | BE0709 M3693 |
| CERENKOV | 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P) | BE0709 M3592 |
| CERN | MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P) | AC0800 M3299 |
| CHA-INDUSTRIES | PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345) | AA0112 M3389 |
| CHAMBER | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| CHAMBER | 25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II) | CODE HE0103 |
| CHANNEL | BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II) | CODE BE0803 |
| CHANNEL | MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P) | CA0100 M3724 |
| CHART | BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P) | AC0503 M3755 |
| CHASSIS | TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/17/63, R1/28/64, 1P) | SPEC. M349B |
| CHECKLIST | CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P) | BE0701 M3726A |
| CHECKLIST | COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P) | BE0905 M3108 |
| CHECKLIST | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| CHECKLIST | HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P) | BE0709 M3221 |

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| CHECKLIST | OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P) | BE0709 M3055 |
| CHECKLIST | OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P) | BE0709 M3004 |
| CHECKLIST | OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P) | BE0709 M3469 |
| CHECKLIST | 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P) | BE0709 M3594 |
| CHECKLIST | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |
| CHECKLIST | 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P) | BE0709 M3356 |
| CHECKLIST | 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P) | BE0709 M3694 |
| CHECKLIST | 2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P) | BE0709 M3151A |
| CHECKLIST | 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P) | BE0709 M3670 |
| CHECKLIST | 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P) | BE0709 M3693 |
| CHECKLIST | 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P) | BE0709 M3592 |

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| CHEMISTRY | BIO-ORGANIC CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II) | CODE RC0500 |
| CHEMISTRY | BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II) | CODE RC0501 |
| CHEMISTRY | CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II) | CODE RC0100 |
| CHEMISTRY | CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II) | CODE RC0101 |
| CHEMISTRY | CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE RC0102 |
| CHEMISTRY | CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II) | CODE RC0103 |
| CHEMISTRY | CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II) | CODE RC0106 |
| CHEMISTRY | CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II) | CODE RC0107 |
| CHEMISTRY | CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II) | CODE RC0107 |
| CHEMISTRY | INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0201 |
| CHEMISTRY | INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0202 |
| CHILLER | FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P) | RC0101 M3203 |
| CIRCUITS | DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073) | AA0123 M3234 |
| CIRCUITS | FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P) | BE0905 M3351 |
| CLAMPS | PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P) | LA0101 M3100 |
| CLEANING | GLOW-DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P) | RC0103 M3015 |
| CLEANING | HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORGREN. 9/25/63, 1P) | HE0105 M3149 |
| CLEANING | PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON,. G EDWARDS. 7/17/64, R12/21/64, 3P) | BE0708 M3368A |

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| CLIPPER | HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P) | BE0702 M3036 |
| CLIPPER | MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P) | CA0206 M3477B |
| CLIPPERS | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| COAT-HANGER | COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/26/66 3P.) | HD0202 M3752 |
| COAT-HANGER | COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/27/66, 7P.) | HD0202 M3756 |
| COAT-HANGER | CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P) | HD0202 M3717 |
| COAT-HANGER | CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P) | HD0202 M3720 |
| COAT-HANGER | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| COAT-HANGER | METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/30/66, 4P) | HD0202 M3774 |
| COAT-HANGER | PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P) | HD0202 M3775 |
| COAT-HANGER | RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P) | HD0202 M3757 |
| COAT-HANGER | SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORGREN, 5/27/66 R 5/31/66) | HD0202 M3742A |
| COAT-HANGER | SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P) | HD0202 M3713 |
| COAT-HANGER | TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P) | HD0202 M3771 |

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| COATING | A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P) | AA0500 M3425 |
| COATING | APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P) | SPEC. M373 |
| COATING | DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P) | LA0105 M3550 |
| COATING | KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P) | RP0101 M3429 |
| COAXIAL | COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P) | AC0701 M3654 |
| CODE | DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P) | BE0601 M3046A |
| CODES | ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P) | AA0128 M3228B |
| COIL | ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0503 |
| COIL | ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P) | BE0907 M3118A |
| COIL | BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P) | LA0102 M3424A |
| COIL | BEVATRON, MAGNET COIL (SEE THIS CODE IN SECTION II) | CODE BE1301 |
| COIL | BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II) | CODE BE1305 |
| COIL | CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P) | AB0103 M3388 |
| COIL | CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P) | LA0102 M3491 |
| COIL | DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P) | BE0905 M3091 |
| COIL | GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P) | BE0702 M3123A |

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| COIL | GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P) | BE0702 M3136 |
| COIL | M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/11/62, R2/11/63, 5/29/63, 4P) | SPEC. M345B |
| COIL | M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/10/63, R1/7/64, 3P) | SPEC. M362A |
| COIL | MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P) | AC0500 M3468 |
| COIL | MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P) | BE1305 M3089 |
| COIL | MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P) | RP0102 M3599 |
| COIL | MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P) | AA0114 M3191 |
| COIL | MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P) | HE0102 M3224 |
| COIL | PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P) | AA0114 M3113 |
| COIL | PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P) | BE1301 M3758 |
| COIL | Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 1/24/63, R4/18/63, 4P) | SPEC. M344A |
| COIL | RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P) | BE0802 M3640 |
| COIL | SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443) | RC0102 M3473 |
| COIL | SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446) | RC0102 M3479 |
| COIL | TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P) | AC0505 M3211 |
| COIL | TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 5/27/65, 1P) | SPEC M379 |

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| COIL | UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P) | SPEC. M371 |
| COIL | 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P) | SPEC M390A |
| COIL | 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P) | BE0705 M3198 |
| COIL | 8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P) | SPEC. M348B |
| COIL-IN-GAP | FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881) | AA0114 M3026 |
| COILING | ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) | CA0102 M3625 |
| COILS | BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P) | AC0503 M3755 |
| COILS | GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338) | AA0114 M3382B |
| COILS | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| COILS | MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P) | AC0505 M3155 |
| COILS | MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P) | AC0505 M3156 |
| COILS | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| COILS | MAGNETS, SOLENOIDS, COILS (SEE THIS CODE IN SECTION II) | CODE AA0114 |
| COILS | PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P) | BE0906 M3022 |
| COILS | VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P) | SPEC. M358 |
| COILS | VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P) | SPEC. M360A |

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| COILS | 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P) | CA0101 M3554 |
| COILS | 88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II) | CODE CB0103 |
| COLD-CATHODE | CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P) | AA0112 M3484 |
| COLLET-TYPE | STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P) | BE0702 M3754 |
| COLLIMATOR | MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420) | RP0104 M3443 |
| COMMUNICATIONS | DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P) | AA0102 M3515 |
| COMMUNICATIONS | INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P) | AA0102 M3644 |
| COMMUNICATIONS | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| COMPUTATIONS | LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520) | AC0404 M3557 |
| COMPUTER | A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P) | AA0123 M3271 |
| COMPUTER | COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P) | AC0500 M3095 |
| COMPUTER | COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402) | CB0103 M3399 |
| COMPUTER | CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278) | AA0123 M3347 |
| COMPUTER | MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P) | BE1201 M3286 |
| COMPUTER | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |

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| COMPUTER | PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P) | AA0123 M3088 |
| COMPUTER | THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P) | AA0123 M3236 |
| COMPUTER | TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P) | AA0102 M3373 |
| COMPUTERS | MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. (SEE THIS CODE IN SECTION II) | CODE AA0123 |
| CONCRETE | ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P) | AA0116 M3511 |
| CONCRETE | CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330) | BE0805 M3037 |
| CONCRETE | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| CONCRETE | CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4) | AA0116 M3743 |
| CONCRETE | CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P) | BE1130 M3073 |
| CONCRETE | HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P) | SPEC. M16C |
| CONCRETE | MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P) | SPEC. M15C |
| CONCRETE | PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P) | AC0409 M3244 |
| CONCRETE | ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P) | AC1200 M3508 |
| CONCRETE | SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803) | AA0116 M3753 |
| CONCRETE | TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P) | AC0404 M3360 |

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| CONCRETE | 300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P) | CA0101 M3032 |
| CONDENSER | CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P) | LA0102 M3141 |
| CONDENSER | STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P) | AT0102 M3111 |
| CONDUCTANCES | CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P) | CB0120 M3740 |
| CONDUCTION | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| CONDUCTION | ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P) | RC0103 M3044 |
| CONDUCTIVITY | ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P) | BE0705 M3256 |
| CONDUCTIVITY | THERMAL CONDUCTIVITY OF SAPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P) | AA0107 M3738A |
| CONDUCTIVITY | THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P) | AA0107 M3691 |
| CONDUCTOR | EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P) | AC0303 M3358 |
| CONDUCTOR | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| CONDUCTOR | MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P) | AC0505 M3155 |
| CONDUCTOR | MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P) | AC0505 M3156 |
| CONDUCTOR | PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P) | AA0114 M3113 |
| CONDUCTOR | TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P) | AA0123 M3130 |
| CONDUCTOR | VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P) | AA0114 M3079 |

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| CONDUCTORS | BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365) | BE0806 M3391 |
| CONDUIT | ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P) | AC0406 M3688 |
| CONDUITS | MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334) | AA0112 M3148 |
| CONFERENCE | ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P) | AA0102 M3093 |
| CONFERENCE | ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P) | AA0102 M3333 |
| CONFERENCE | BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P) | AA0102 M3540 |
| CONFERENCE | CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P) | AC0300 M3407 |
| CONFERENCE | DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P) | AA0102 M3332 |
| CONFERENCE | JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P) | AA0102 M3361 |
| CONFERENCE | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| CONFERENCE | NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P) | AA0102 M3768 |
| CONFERENCE | NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRSING. 11/2/64 4P) | AA0102 M3446 |
| CONFERENCE | PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P) | AA0102 M3539 |
| CONFERENCE | REPORTS, TRIP, MEETING, CONFERENCE (SEE THIS CODE IN SECTION II) | CODE AA0102 |
| CONFERENCE | TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P) | AA0102 M3260 |

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| CONFERENCE | 1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE ( TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P) | AA0102 M3584 |
| CONFERENCE | 1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P) | AA0102 M3588 |
| CONFERENCE | 21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P) | AA0102 M3538 |
| CONFORMAL | APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P) | AC0505 M3261 |
| CONFORMAL | CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P) | AC0505 M3254 |
| CONFORMAL | FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P) | AA0114 M3570 |
| CONFORMAL | NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P) | SPEC. M365 |
| CONFORMAL | PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P) | AC0500 M3181 |
| CONGRESS | DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P) | AA0102 M3515 |
| CONGRESS | INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P) | AA0102 M3644 |
| CONSTRUCTION | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| CONSTRUCTION | CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P) | AA0114 M3387 |
| CONSTRUCTION | CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P) | AB0103 M3388 |
| CONSTRUCTION | DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P) | RC0103 M3092 |
| CONSTRUCTION | SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P) | LA0106 M3376 |
| CONSTRUCTION | SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P) | LA0106 M3378 |

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| CONSTRUCTION | TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II) | CODE AT0102 |
| CONTACT | DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P) | AA0102 M3169 |
| CONTACTS | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| CONTAINER | STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758) | RA0200 M3712 |
| CONTRACT | INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P) | AC0500 M3746 |
| CONTRACT | MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P) | AC0800 M3284 |
| CONTRACTION | RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P) | HD0202 M3757 |
| CONTROL | COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402) | CB0103 M3399 |
| CONTROL | DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P) | AC0404 M3520 |
| CONTROL | OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P) | AC1120 M3652 |
| CONTROL-SYSTEM | LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P) | AB0102 M3050 |
| CONTROL-SYSTEM | PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P) | LA0101 M3067 |
| CONTROLLED-TEMPERAT | CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P) | BE0905 M3006 |
| CONTROLS | JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P) | AA0102 M3361 |
| CONTROLS | 1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P) | AA0102 M3588 |

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| CONVEYOR | CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P) | AB0400 M3120A |
| COOLANTS | COMPARISON OF DIELECTRIC COOLANTS (HEAVY ION ACCELERATOR, ACCELERATOR COOLING. J HAUGHIAN. 11/18/65, 11P) | LA0107 M3632 |
| COOLDOWN | CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P) | RA0202 M3657 |
| COOLING | AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P) | BE0705 M3208 |
| COOLING | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |
| COOLING | COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P) | AC0304 M3348 |
| COOLING | COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P) | AC0304 M3381 |
| COOLING | COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P) | LA0105 M3097 |
| COOLING | COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P) | LA0107 M3463 |
| COOLING | CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P) | LA0102 M3084 |
| COOLING | CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P) | LA0102 M3141 |
| COOLING | DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P) | CB0112 M3296 |
| COOLING | DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P) | LA0105 M3550 |
| COOLING | ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P) | BE0705 M3256 |
| COOLING | EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P) | LA0107 M3395 |
| COOLING | FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P) | BE0905 M3351 |
| COOLING | HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P) | LA0107 M3417 |

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| COOLING | HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347) | HE0106 M3386A |
| COOLING | HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II) | CODE LA0107 |
| COOLING | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P) | CB0140 M3610 |
| COOLING | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P) | CB0140 M3618A |
| COOLING | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| COOLING | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| COOLING | POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPER. 1/29/64, 2P) | CB0103 M3250 |
| COOLING | PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P) | LA0107 M3576 |
| COOLING | PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P) | LA0107 M3415 |
| COOLING | PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P) | LA0107 M3409 |
| COOLING | QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P) | BE0705 M3480 |
| COOLING | TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P) | AC1120 M3564 |
| COOLING | TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P) | LA0107 M3466 |
| COOLING | TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P) | CB0112 M3303 |
| COOLING | USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P) | AA0114 M3543 |
| COOLING | 4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P) | LA0105 M3069 |

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| COOLING-SYSTEM | COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P) | BE0905 M3108 |
| COOLING-SYSTEM | RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P) | MN0201 M3674 |
| COOLING-SYSTEM | TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P) | LA0107 M3595 |
| COORDINATE | PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422) | AA0901 M3447A |
| COPPER | BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P) | AC0503 M3755 |
| COPPER | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| COPPER | RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P) | BE0905 M3366 |
| COPPER | STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P) | AT0102 M3111 |
| COPPER | WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P) | CB0125 M3213 |
| COPPER-CLAD | SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446) | RC0102 M3479 |
| CORE | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0502 |
| CORE | ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492) | AC0501 M3526 |
| CORE | BEVATRON, MAGNET CORE (SEE THIS CODE IN SECTION II) | CODE BE1201 |
| CORE | BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II) | CODE BE1210 |
| CORE | GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P) | AC0303 M3649 |

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| CORE | MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P) | SPEC M398 |
| CORE | MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732) | AC0502 M3650 |
| CORE | TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P) | AC0303 M3676 |
| CORES | REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P) | AC0505 M3326 |
| CORNELL | CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P) | AC0300 M3407 |
| CORROSION-RATE | DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P) | BE0905 M3091 |
| COST | ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P) | RB0108 M3323 |
| COST | ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P) | LA0108 M3613 |
| COST | ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P) | RC0106 M3157 |
| COST | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| COST | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| COST | BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P) | AC1001 M3451 |
| COST | BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P) | AC0300 M3452 |
| COST | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |

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| COST | BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P) | AC0503 M3755 |
| COST | BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P) | LA0102 M3025 |
| COST | CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P) | CA0100 M3300 |
| COST | CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P) | AC0411 M3279 |
| COST | COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P) | AC0701 M3654 |
| COST | COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P) | AC0500 M3095 |
| COST | COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P) | RB0108 M3129 |
| COST | COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P) | AC1300 M3562A |
| COST | COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402) | CB0103 M3399 |
| COST | COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P) | AC0402 M3551A |
| COST | COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRSING. 10/9/63, 3P) | RA0203 M3161 |
| COST | COST ESTIMATE NUMBER 3 (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREAS. R MEUSER. 3/16/65, 15P) | AC1120 M3516 |
| COST | COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738) | AC1300 M3659 |

COST COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P) AC1001 M3561

COST COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P) AC0200 M3727

COST COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P) LA0108 M3685

COST COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P) AC0200 M3506

COST COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P) AC0300 M3258

COST COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089) AC0404 M3243

COST COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515) AC0405 M3553B

COST COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P) LA0100 M3262

COST COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P) CB0125 M3697

COST COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P) AB0103 M3018

COST COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P) AA0103 M3492

COST CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) RC0100 M3689

COST ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) CA0102 M3625

COST ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P) AC0410 M3560A

COST ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P) AC0302 M3668

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| COST | EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P) | AC1100 M3247 |
| COST | EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P) | BE0801 M3127B |
| COST | FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P) | RA0202 M3673 |
| COST | FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA ECONOMICS OF OPERATION. D NORGREN. 1/10/66, 2P UCID 2743) | HF0102 M3669 |
| COST | FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITES. J HAUGHIAN. 2/8/66, 2P) | LA0108 M3686 |
| COST | FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P) | RB0108 M3307 |
| COST | FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067) | AC0409 M3226 |
| COST | INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P) | AC0300 M3246 |
| COST | LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P) | RB0100 M3517A |
| COST | LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRSING. 10/23/64, 3P) | RC0102 M3435 |
| COST | MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P) | RC0103 M3058 |
| COST | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| COST | MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P) | AC0405 M3546 |

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| COST | MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152) | AC0800 M3241B |
| COST | MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P) | AC0800 M3284 |
| COST | MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P) | AC0800 M3559A |
| COST | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| COST | MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P) | CA0100 M3724 |
| COST | MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P) | RA0200 M3318 |
| COST | MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRSING. 9/4/64, 3P) | RA0200 M3404 |
| COST | MOLECULAR BEAM REACTION-CHAMBER , REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRSING. 11/11/65, 3P) | RA0200 M3629 |
| COST | MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P) | RC0107 M3711 |
| COST | NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901) | HD0102 M3052 |
| COST | PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 12/21/64, 17P) | AC0300 M3471 |
| COST | PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P) | RB0108 M3301 |
| COST | PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P) | CA0202 M3031A |
| COST | PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P) | CA0202 M3142A |
| COST | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P) | CA0202 M3222 |

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| COST | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P) | CA0202 M3223 |
| COST | PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P) | AC0409 M3244 |
| COST | PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P) | AC0500 M3248 |
| COST | REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379) | CB0125 M3380A |
| COST | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| COST | RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P) | AC0304 M3718 |
| COST | RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P) | AC0500 M3238 |
| COST | SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P) | RC0100 M3679 |
| COST | SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3690 |
| COST | SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740) | AC1300 M3662 |
| COST | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| COST | SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P) | LA0106 M3375 |
| COST | SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P) | LA0106 M3376 |
| COST | SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378) | CB0112 M3379 |
| COST | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |

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| COST | SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P) | RA0200 M3558 |
| COST | SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P) | AC0404 M3522 |
| COST | THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P) | AC1120 M3648 |
| COST | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| COST | 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P) | RB0101 M3725 |
| COST | 18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129) | BE0705 M3275 |
| COST | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| COST | 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P) | LA0105 M3064 |
| COST | 8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438) | BE0706 M3349 |
| COST-ANALYSIS | COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON. M GREEN. 7/1/65, 38P) | AC0301 M3591 |
| COST-VS-WEIGHT | MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P) | AA0114 M3524 |
| COSTS | ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P) | AC0200 M3341 |
| COSTS | ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P) | AA0116 M3511 |

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| COSTS | BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383) | CB0100 M3428 |
| COSTS | COSTS, TIME-STUDIES, ESTIMATING (SEE THIS CODE IN SECTION II) | CODE AA0103 |
| COSTS | GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338) | AA0114 M3382B |
| COSTS | INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P) | AC0500 M3746 |
| COSTS | LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P) | BE0801 M3684 |
| COSTS | LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341) | AA0114 M3383A |
| COSTS | RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P) | CB0120 M3744A |
| COSTS | TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P) | AC1120 M3664 |
| COSTS | TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P) | AC1300 M3575 |
| COSTS | 300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P) | CA0101 M3032 |
| COUNTER | CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P) | BE0701 M3726A |
| COUNTER | CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P) | BE0701 M3702 |
| COUNTER | FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P) | SPEC M385 |
| COUNTER | MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P) | BE0701 M3734 |
| COUNTER | OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P) | BE0709 M3004 |

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| COUNTER | OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P) | BE0709 M3055 |
| COUNTER | 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P) | BE0709 M3594 |
| COUNTER | 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P) | AA0300 M3759 |
| COUNTER | 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P) | BE0709 M3356 |
| COUNTER | 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P) | BE0709 M3694 |
| COUNTER | 2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P) | BE0709 M3151A |
| COUNTER | 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P) | BE0709 M3670 |
| COUNTER | 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P) | BE0709 M3693 |
| COUNTER | 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P) | BE0709 M3592 |
| COUNTERS | A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P) | AA0500 M3425 |
| COUNTERS | OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P) | BE0709 M3469 |
| COUNTERS | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |

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| COUPLING | STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P) | BE0702 M3754 |
| COUPLING | STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P) | BE0702 M3135 |
| CO2 | 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P) | BE0709 M3594 |
| CR-39 | ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P) | AA0106 M3741 |
| CR-39 | CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P) | HD0202 M3717 |
| CR-39 | CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P) | HD0202 M3720 |
| CR-39 | HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P) | AA0106 M3764 |
| CR-39 | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| CR-39 | RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P) | HD0202 M3757 |
| CR-39 | SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P) | HD0202 M3713 |
| CRADLE | 12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P) | BE0705 M3700 |
| CRANE | CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P) | AA0300 M3701 |
| CRANE | DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P) | BE0610 M3459 |
| CRANE | EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P) | BE0610 M3062 |
| CRANE | EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P) | BE0701 M3729 |

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| CRANE | OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P) | AC1120 M3652 |
| CRANE | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| CRANE | THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P) | AC1120 M3648 |
| CRANE | TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P) | AC1300 M3575 |
| CRANES | BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II) | CODE BE0610 |
| CRANES | OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P) | AC1120 M3652 |
| CRANES | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| CRAZING | PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P) | HD0202 M3775 |
| CREEP | YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P) | AC0404 M3321 |
| CROSSOVER | 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P) | BE0705 M3198 |
| CROWE | PHYSICS RESEARCH, CROWE GROUP (SEE THIS CODE IN SECTION II) | CODE RP0104 |
| CRYOGENIC | ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.) | RC0100 M3750 |

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| CRYOGENIC | CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P) | AC0300 M3407 |
| CRYOGENIC | CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P) | RA0202 M3657 |
| CRYOGENIC | CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 6/12/65, 13P) | RC0102 M3582 |
| CRYOGENIC | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| CRYOGENIC | FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P) | RA0202 M3673 |
| CRYOSORPTION | CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3689 |
| CRYOSTAT | NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988) | RA0203 M3147 |
| CRYOSTAT | SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P) | RC0100 M3679 |
| CRYOSTAT | SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3690 |
| CUBIC-EQUATION | WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P) | AA0123 M3009 |
| CUP | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| CUPID | CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P) | LA0102 M3491 |
| CURRENT | CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278) | AA0123 M3347 |
| CURRENT | HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P) | AA0112 M3217 |
| CURRENT-AWARENESS | TECHNICAL INFORMATION-SYSTEM AND CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P) | AA0102 M3253 |

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| CURRENT-CARRYING | CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRSING. 2/19/64, 5P) | RA0201 M3266 |
| CURRENT-DENSITY | CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P) | AC0505 M3254 |
| CVC | CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P) | AA0112 M3484 |
| CYCLOTRON | A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983) | CB0101 M3122 |
| CYCLOTRON | BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II) | CODE RB0104 |
| CYCLOTRON | COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P) | CB0125 M3697 |
| CYCLOTRON | 184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P) | RB0108 M3297 |
| CYCLOTRON | 184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS (SEE THIS CODE IN SECTION II) | CODE CA0303 |
| CYCLOTRON | 184-IN CYCLOTRON, GENERAL (SEE THIS CODE IN SECTION II) | CODE CA0100 |
| CYCLOTRON | 184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II) | CODE CA0101 |
| CYCLOTRON | 184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE CA0102 |
| CYCLOTRON | 184-IN CYCLOTRON, IMPROVEMENTS (SEE THIS CODE IN SECTION II) | CODE CA0200 |
| CYCLOTRON | 184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II) | CODE CA0202 |
| CYCLOTRON | 184-IN CYCLOTRON, IMPROVEMENTS, SHIELDING (SEE THIS CODE IN SECTION II) | CODE CA0203 |
| CYCLOTRON | 184-IN CYCLOTRON, IMPROVEMENTS, CENTRAL AREA STUDIES (SEE THIS CODE IN SECTION II) | CODE CA0206 |
| CYCLOTRON | 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P) | CA0101 M3554 |
| CYCLOTRON | 88-IN CYCLOTRON, ACCESSORY EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE CB0200 |
| CYCLOTRON | 88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II) | CODE CB0201 |

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| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL (SEE THIS CODE IN SECTION II) | CODE CB0100 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, MAGNET (SEE THIS CODE IN SECTION II) | CODE CB0101 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II) | CODE CB0103 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, DEE (SEE THIS CODE IN SECTION II) | CODE CB0112 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE CB0120 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II) | CODE CB0121 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, DEFLECTOR (SEE THIS CODE IN SECTION II) | CODE CB0125 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, ION-SOURCE (SEE THIS CODE IN SECTION II) | CODE CB0130 |
| CYCLOTRON | 88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II) | CODE CB0140 |
| CYCLOTRON | 88-IN CYCLOTRON, MISCELLANEOUS, IMPROVEMENTS (SEE THIS CODE IN SECTION II) | CODE CB0301 |
| CYLINDER | PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING. 5/24/65, 4P) | RA0203 M3569 |
| CYLINDERS | SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 12/1/65, 1P UCID 2712) | AA0300 M3639 |
| DALL-TUBE | THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P) | BE0905 M3098 |
| DAMAGE | PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 2/28/66, 2P) | AA0300 M3704 |
| DE-SPIKER | DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P) | LA0102 M3430 |
| DECAY | CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II) | CODE RC0106 |
| DEE | DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P) | CB0112 M3296 |
| DEE | SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378) | CB0112 M3379 |
| DEE | 88-IN CYCLOTRON, MECHANICAL, DEE (SEE THIS CODE IN SECTION II) | CODE CB0112 |
| DEE | 88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II) | CODE CB0121 |

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| DEFINING | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| DEFLECTING | INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P) | RA0204 M3121 |
| DEFLECTION | ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492) | AC0501 M3526 |
| DEFLECTION | BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P) | AC0404 M3336 |
| DEFLECTION | EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337) | BE0804 M3327 |
| DEFLECTION | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| DEFLECTION | PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P) | AC0404 M3229 |
| DEFLECTION | TANK LEVEL AND END DEFLECTION MEASUREMENTS ( HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P) | LA0103 M3549 |
| DEFLECTION | TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P) | HD0202 M3771 |
| DEFLECTION | YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P) | AC0404 M3321 |
| DEFLECTION-SYSTEM | REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379) | CB0125 M3380A |
| DEFLECTIONS | A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P) | AC0404 M3230 |
| DEFLECTIONS | DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P) | AA0129 M3194 |

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| DEFLECTIONS | DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P) | AC0404 M3520 |
| DEFLECTIONS | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P) | HD0102 M3410 |
| DEFLECTIONS | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P) | HD0102 M3427 |
| DEFLECTOR | COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P) | CB0125 M3697 |
| DEFLECTOR | DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P) | CB0125 M3565 |
| DEFLECTOR | 88-IN CYCLOTRON, MECHANICAL, DEFLECTOR (SEE THIS CODE IN SECTION II) | CODE CB0125 |
| DEFLECTOR-II | DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P) | CB0125 M3655 |
| DEMAGNETIZATION | NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988) | RA0203 M3147 |
| DEMONSTRATION | COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402) | CB0103 M3399 |
| DENSITY | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| DESIGN | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II) | CODE AC0501 |
| DESIGN | ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P) | AA0102 M3093 |
| DESIGN | ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P) | AA0102 M3333 |
| DESIGN | AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333) | BE0804 M3103 |

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| DESIGN | BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P) | RP0103 M3593 |
| DESIGN | BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P) | LA0102 M3330 |
| DESIGN | BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405) | CB0201 M3370 |
| DESIGN | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| DESIGN | BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P) | AA0113 M3011 |
| DESIGN | C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P) | AA0114 M3416 |
| DESIGN | CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P) | CB0201 M3316 |
| DESIGN | COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 2/3/65, 11P UCID 2458) | RC0102 M3496 |
| DESIGN | CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4) | AA0116 M3743 |
| DESIGN | CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P) | RC0103 M3204 |
| DESIGN | CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P) | HD0202 M3717 |
| DESIGN | CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P) | HD0202 M3720 |
| DESIGN | DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P) | AA0102 M3515 |
| DESIGN | DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P) | BE1210 M3042 |

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| DESIGN | DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599) | RC0103 M3586 |
| DESIGN | DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P) | AA0102 M3332 |
| DESIGN | DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P) | BE0705 M3293 |
| DESIGN | DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P) | AA0102 M3169 |
| DESIGN | DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P) | AA0102 M3169 |
| DESIGN | DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P) | BE1130 M3766 |
| DESIGN | DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P) | LA0102 M3633 |
| DESIGN | DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P) | BE0601 M3207 |
| DESIGN | DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P) | BE1130 M3462 |
| DESIGN | DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P) | BE1130 M3461 |
| DESIGN | DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P) | BE0610 M3459 |
| DESIGN | DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P) | BE1130 M3460 |
| DESIGN | DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P) | BE1805 M3272 |
| DESIGN | EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P) | BE0701 M3729 |
| DESIGN | FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P) | LA0103 M3334 |
| DESIGN | FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P) | RC0100 M3218 |

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| DESIGN | J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P) | SPEC. M361A |
| DESIGN | J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P) | AA0117 M3199A |
| DESIGN | J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P) | AA0117 M3175A |
| DESIGN | LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P) | BE0801 M3598 |
| DESIGN | LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P) | AC0501 M3257 |
| DESIGN | M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P) | BE0804 M3094 |
| DESIGN | M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P) | BE0804 M3490 |
| DESIGN | M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P) | BE0804 M3177A |
| DESIGN | M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336) | BE0804 M3176A |
| DESIGN | MAGNET M-5 MARK-2 DESIGN (BEVATRON-EXTERNAL PROTON BEAM TRANSPORT MAGNETS. D VORKOEPER. 12/2/65, 6P) | BE0804 M3708 |
| DESIGN | MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P) | AC0405 M3546 |
| DESIGN | MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411) | BE0905 M3346A |
| DESIGN | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| DESIGN | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| DESIGN | PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P) | RB0108 M3308B |

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| DESIGN | PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P) | AC0501 M3154 |
| DESIGN | PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING. 5/24/65, 4P) | RA0203 M3569 |
| DESIGN | REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P) | AA0112 M3636 |
| DESIGN | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| DESIGN | SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P) | BE0904 M3645A |
| DESIGN | SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443) | RC0102 M3473 |
| DESIGN | TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P) | AC0406 M3545 |
| DESIGN | THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P) | AA0114 M3219 |
| DESIGN | THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P) | AC1120 M3648 |
| DESIGN | THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P) | AC0303 M3715 |
| DESIGN | ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279) | RC0100 M3350A |
| DESIGN | VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/30/65, 12P) | AC0305 M3530 |
| DESIGN | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| DESIGN | 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P) | RB0101 M3725 |

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| DESIGN | 12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744) | BE0705 M3667A |
| DESIGN | 18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129) | BE0705 M3275 |
| DESIGN | 1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE ( TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P) | AA0102 M3584 |
| DESIGN | 20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. 11/17/63 R1/10/66, 5P) | LA0102 M3140C |
| DESIGN | 30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215) | BE0610 M3317 |
| DESIGNING | COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P) | AC0500 M3095 |
| DESIGNS | FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067) | AC0409 M3226 |
| DESY | VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P) | AA0102 M3158 |
| DETECTOR | A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P) | AC0406 M3531 |
| DETECTOR | A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P) | RC0101 M3038 |
| DETECTOR | REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P) | RC0100 M3660 |
| DETECTOR | SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P) | RC0100 M3679 |
| DETECTOR | SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3690 |
| DETECTORS | GAS DETECTORS, (SURVEY AND RECOMMENDATION, HYDROGEN SAFETY COMMITTEE. J SHAND. 1/4/66, 1P UCID 2739) | AA0300 M3661 |
| DEUTERIUM | LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352) | AT0102 M3402 |
| DEUTERIUM | STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P) | AT0102 M3111 |
| DEUTSCHE | VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P) | AA0102 M3158 |

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| DEVICE | A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362) | AA0501 M3408 |
| DEVICE | BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P) | BE0906 M3003 |
| DEVICE | DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599) | RC0103 M3586 |
| DEVICE | WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P) | CB0125 M3213 |
| DEVICES | CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P) | AA0100 M3273 |
| DEVICES | DEVICES, COMPONENTS, TOOLS (SEE THIS CODE IN SECTION II) | CODE AA0118 |
| DEWAR | CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P) | AA0300 M3641 |
| DEWAR | HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704) | AA0300 M3630 |
| DEWAR | HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281) | AT0101 M3419 |
| DEWAR | LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRSING. 10/23/64, 3P) | RC0102 M3435 |
| DEWAR | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| DEWARS | SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P) | AA0300 M3634 |
| DEWARS | UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P) | AA0300 M3206 |
| DIAGNOSTIC | DIAGNOSTIC INSTRUMENT PACKAGING (SEE THIS CODE IN SECTION II) | CODE AB0402 |
| DIAGNOSTIC | DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P) | AB0402 M3021 |
| DIAZO | DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P) | SPEC. M354 |

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| DIAZO | DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P) | SPEC. M376 |
| DIELECTRIC | COMPARISON OF DIELECTRIC COOLANTS (HEAVY ION ACCELERATOR, ACCELERATOR COOLING. J HAUGHIAN. 11/18/65, 11P) | LA0107 M3632 |
| DIFFERENTIAL | POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P) | CB0120 M3604 |
| DIFFERENTIALS | SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P) | AC0404 M3522 |
| DIFFUSER | FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P) | LA0103 M3334 |
| DIFFUSION | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| DIFFUSION | MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273) | AA0112 M3342 |
| DIFFUSION | PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P) | CB0120 M3733 |
| DIGITIZER | FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P) | SPEC. M375 |
| DIODE | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |
| DIODE | DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073) | AA0123 M3234 |
| DIODE | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| DIODE | PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P) | AB0105 M3619 |
| DIRECTORY | DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P) | BE0601 M3046A |
| DIRECTORY | ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P) | AA0128 M3228B |
| DISASTER | 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P) | CA0101 M3554 |

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| DISC | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |
| DISPERSIVE | DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340) | RA0203 M3335 |
| DISPLACEMENT | WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORGREN. 3/11/66, 2P) | HD0203 M3707 |
| DISSIPATION | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| DISTORTION | IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P) | HD0103 M3696 |
| DOCUMENT | DOCUMENT PREPARATION, INDEXING, RETRIEVAL (SEE THIS CODE IN SECTION II) | CODE AA0128 |
| DOCUMENTATION-SYSTE | ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN. 10/17/63, 3P) | AA0128 M3163 |
| DOCUMENTS | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| DOG-LEG | SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497) | AC0300 M3537 |
| DOME | ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P) | AT0102 M3180 |
| DOOR | ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P) | AC1200 M3534 |
| DOOR | BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P) | LA0102 M3330 |
| DOOR | CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P) | AC0411 M3279 |
| DOOR | ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P) | AC1200 M3508 |

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| DOOR | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P) | AC1200 M3601 |
| DOOR | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| DOORWAY | DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P) | BE1130 M3766 |
| DOSIMETRY | RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P) | RB0101 M3642 |
| DRAFTING | DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P) | AA0102 M3515 |
| DRAFTING-ROOM | DRAFTING-ROOM PRACTICES AND PROCEDURES (SEE THIS CODE IN SECTION II) | CODE AA0125 |
| DRAWING | COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P) | AT0102 M3197 |
| DRAWING | LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P) | BE0905 M3214 |
| DRAWING | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| DRAWINGS | DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P) | BE0601 M3046A |
| DRIFT-TUBE | DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P) | LA0105 M3550 |
| DRIFT-TUBE | DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P) | LA0107 M3547 |
| DRIFT-TUBE | DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P) | BE0905 M3091 |
| DRIFT-TUBE | DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P) | BE0905 M3043 |
| DRIFT-TUBE | DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P) | BE0905 M3400 |
| DRIFT-TUBE | FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P) | BE0905 M3351 |
| DRIFT-TUBE | LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P) | BE0905 M3214 |

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| DRIFT-TUBE | 4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P) | LA0105 M3069 |
| DRIFT-TUBES | EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P) | LA0107 M3395 |
| DRIFT-TUBES | POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P) | LA0105 M3487 |
| DRIFT-TUBES | PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P) | LA0107 M3415 |
| DRIVE | BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P) | BE0907 M3005 |
| DRIVE | EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P) | BE0702 M3485 |
| DRIVE | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| DRIVER | CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P) | LA0102 M3141 |
| DRIVES | DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P) | CB0125 M3655 |
| DRIVING | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| DRIVING | WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P) | AC1300 M3626 |
| DUTY-FACTOR | HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II) | CODE LA0105 |
| DUTY-FACTOR | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| DUTY-FACTOR | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| DUTY-FACTOR | 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P) | LA0105 M3064 |

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| DUTY-FACTORS | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| EARTH | ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P) | AC0302 M3668 |
| EARTHQUAKE | EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P) | LA0105 M3328 |
| EARTHQUAKE | STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P) | CA0202 M3555 |
| EARTHQUAKE | TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P) | AC0404 M3360 |
| EARTHWORK | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| ECONOMICS | 80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II) | CODE HF0102 |
| ECONOMY | THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P) | AA0114 M3219 |
| ECONOMY | THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P) | AC0303 M3715 |
| EDDY-CURRENT | PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P) | AC1120 M3682 |
| EDDY-CURRENTS | EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P) | AC0303 M3358 |
| EDDY-CURRENTS | EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 7P) | AC0305 M3527 |
| EIMAC | WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRSING. 2/19/65, 4P) | AC0305 M3503 |
| EJECTION | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II) | CODE AC0301 |

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| ELBOW | REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P) | AA0112 M3636 |
| ELECTRIC | ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3450 |
| ELECTRIC | ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P) | BE0610 M3289A |
| ELECTRIC | VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P) | BE0708 M3024 |
| ELECTRIC | WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P) | AC1300 M3626 |
| ELECTRICAL | CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 6/12/65, 13P) | RC0102 M3582 |
| ELECTRICAL | DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P) | AA0102 M3169 |
| ELECTRICAL | ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) | CA0102 M3625 |
| ELECTRICAL | ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P) | BE0705 M3256 |
| ELECTRICAL | HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P) | AA0106 M3160 |
| ELECTRICAL | RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451) | AC0304 M3331A |
| ELECTRICAL | 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P) | SPEC M390A |
| ELECTRODE | ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P) | SPEC. M355A |
| ELECTRODES | CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756) | BE0906 M3706 |
| ELECTRON | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |

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| ELECTRON | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| ELECTRON-BEAM | BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P) | AT0102 M3252 |
| ELECTRONEN | VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P) | AA0102 M3158 |
| EMBEDMENT | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| EMISSION | ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P) | RC0103 M3023 |
| EMITTERS | CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II) | CODE RC0106 |
| ENCLOSURE | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0302 |
| ENCLOSURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0409 |
| ENCLOSURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II) | CODE AC0410 |
| ENCLOSURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II) | CODE AC0411 |
| ENCLOSURE | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |
| ENCLOSURE | ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P) | AC0410 M3560A |
| ENCLOSURE | ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P) | AC0302 M3668 |
| ENCLOSURE | MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P) | AC0409 M3320 |
| ENCLOSURE | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |

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| ENERGY | BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404) | CB0201 M3363 |
| ENERGY | BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P) | AC0300 M3452 |
| ENGINEERING | ADVANCD-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II) | CODE AC0101 |
| ENGINEERING | ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P) | AA0102 M3093 |
| ENGINEERING | ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P) | AA0102 M3333 |
| ENGINEERING | BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157) | HE0106 M3290 |
| ENGINEERING | CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P) | AA0100 M3273 |
| ENGINEERING | CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P) | AC0300 M3407 |
| ENGINEERING | DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P) | AA0102 M3332 |
| ENGINEERING | ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN. 10/17/63, 3P) | AA0128 M3163 |
| ENGINEERING | ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P) | AA0300 M3268 |
| ENGINEERING | ENGINEERING TECHNOLOGY (SEE THIS CODE IN SECTION II) | CODE AB0101 |
| ENGINEERING | ENGINEERING TECHNOLOGY FOR LIVERMORE (SEE THIS CODE IN SECTION II) | CODE AB0400 |
| ENGINEERING | EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P) | AC1100 M3247 |
| ENGINEERING | INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P) | AC0300 M3246 |
| ENGINEERING | MECHANICAL ENGINEERING, GENERAL (SEE THIS CODE IN SECTION II) | CODE AA0100 |

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| ENGINEERING | MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P) | AC0101 M3216 |
| ENGINEERING | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| ENGINEERING | MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRSING. 3/3/64, 7P) | RA0200 M3274 |
| ENGINEERING | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| ENGINEERING | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |
| ENGINEERING | SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P) | BE0601 M3467 |
| ENGINEERING | TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P) | AA0101 M3045 |
| ENGINEERING | THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P) | AC0303 M3715 |
| ENGINEERING | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| ENGINEERING | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| ENGINEERING | 1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE (TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P) | AA0102 M3584 |
| ENGINEERING | 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P) | LA0105 M3064 |
| ENGINEERING-FLIGHT | ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P) | SPEC M396 |

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| ENGINEERING-FLIGHT | ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITIUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P) | SPEC M397 |
| ENGINEERING-NOTE | ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P) | AA0128 M3228B |
| ENGINEERING-NOTE | ENGINEERING-NOTE AUTHORS GUIDE (J TURNER. 7/27/64 R8/20/64 R12/21/66, 3P UCID 2485) | AA0128 M3374B |
| ENGINEERING-NOTE | ENGINEERING-NOTE POLICY. (R BURLEIGH, J TURNER. 11/3/65 R12/1/65, 1P) | AA0200 M3623A |
| ENGINEERING-NOTES | DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P) | BE0601 M3046A |
| ENGINEERING-NOTES | INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P) | BE0905 M3215 |
| ENGINES | MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P) | AA0501 M3482 |
| ENTRANCE | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P) | AC1200 M3601 |
| ENTRANCE | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| ENVELOPE | BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II) | CODE BE1805 |
| ENVELOPES | OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P) | AC0305 M3773 |
| EPON-826 | VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P) | SPEC. M358 |
| EPON-934 | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |
| EPOXIES | RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P) | BE0802 M3640 |
| EPOXY | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |

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| EPOXY | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| EPOXY | MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P) | AA0106 M3357A |
| EPOXY | PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P) | BE0906 M3022 |
| EPOXY | VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P) | SPEC. M360A |
| EPOXY | 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P) | LA0102 M3196 |
| EQUAL-POTENTIAL | PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P) | RP0104 M3501 |
| EQUATIONS | EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P) | BE0905 M3001A |
| EQUILIBRIUM | BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P) | RP0103 M3593 |
| EQUIPMENT | ADVANCD-ACCELERATOR, HANDLING EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AC1300 |
| EQUIPMENT | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| EQUIPMENT | BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II) | CODE BE0610 |
| EQUIPMENT | BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P) | AA0300 M3628 |
| EQUIPMENT | COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P) | AC1300 M3562A |
| EQUIPMENT | EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P) | LA0105 M3328 |
| EQUIPMENT | EVALUATION OF VACUUM EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AB0105 |
| EQUIPMENT | HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS (SEE THIS CODE IN SECTION II) | CODE LA0102 |

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| EQUIPMENT | HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P) | PC0101 M3282 |
| EQUIPMENT | LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AB0102 |
| EQUIPMENT | OPTICAL PRACTICES AND EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AA0130 |
| EQUIPMENT | PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P) | BE1301 M3758 |
| EQUIPMENT | SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P) | AC1200 M3514 |
| EQUIPMENT | VACUUM PRACTICES , EQUIPMENT, MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0112 |
| EQUIPMENT | WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P) | AB0105 M3369 |
| EQUIPMENT | WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P) | AB0105 M3385 |
| EQUIPMENT | 184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS (SEE THIS CODE IN SECTION II) | CODE CA0303 |
| EQUIPMENT | 184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE CA0102 |
| EQUIPMENT | 88-IN CYCLOTRON, ACCESSORY EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE CB0200 |
| EQUIPMENT | 88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II) | CODE CB0201 |
| EQUIPMENT-FABRICATI | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| ESTIMATE | ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P) | RB0108 M3323 |
| ESTIMATE | ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P) | LA0108 M3613 |
| ESTIMATE | ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P) | RC0106 M3157 |
| ESTIMATE | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |

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| ESTIMATE | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| ESTIMATE | BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P) | AC1001 M3451 |
| ESTIMATE | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |
| ESTIMATE | CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P) | CA0100 M3300 |
| ESTIMATE | COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P) | RB0108 M3129 |
| ESTIMATE | COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P) | AC1300 M3562A |
| ESTIMATE | COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402) | CB0103 M3399 |
| ESTIMATE | COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P) | AC0402 M3551A |
| ESTIMATE | COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRSING. 10/9/63, 3P) | RA0203 M3161 |
| ESTIMATE | COST ESTIMATE NUMBER 3 (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREAS. R MEUSER. 3/16/65, 15P) | AC1120 M3516 |
| ESTIMATE | COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738) | AC1300 M3659 |
| ESTIMATE | COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P) | AC1001 M3561 |
| ESTIMATE | COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P) | AC0200 M3727 |
| ESTIMATE | COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P) | LA0108 M3685 |

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| ESTIMATE | COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P) | AC0200 M3506 |
| ESTIMATE | COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P) | AC0300 M3258 |
| ESTIMATE | CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3689 |
| ESTIMATE | DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P) | CB0125 M3565 |
| ESTIMATE | ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) | CA0102 M3625 |
| ESTIMATE | ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P) | AC0410 M3560A |
| ESTIMATE | EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P) | AC1100 M3247 |
| ESTIMATE | EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P) | BE0801 M3127B |
| ESTIMATE | FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITES. J HAUGHIAN. 2/8/66, 2P) | LA0108 M3686 |
| ESTIMATE | INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P) | AC0300 M3246 |
| ESTIMATE | LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P) | RB0100 M3517A |
| ESTIMATE | LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRSING. 10/23/64, 3P) | RC0102 M3435 |
| ESTIMATE | MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P) | RC0103 M3058 |
| ESTIMATE | MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P) | AC0405 M3546 |

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| ESTIMATE | MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152) | AC0800 M3241B |
| ESTIMATE | MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P) | AC0800 M3559A |
| ESTIMATE | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| ESTIMATE | MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P) | CA0100 M3724 |
| ESTIMATE | MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P) | RA0200 M3318 |
| ESTIMATE | MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRSING. 9/4/64, 3P) | RA0200 M3404 |
| ESTIMATE | MOLECULAR BEAM REACTION-CHAMBER , REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRSING. 11/11/65, 3P) | RA0200 M3629 |
| ESTIMATE | MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P) | RC0107 M3711 |
| ESTIMATE | NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901) | HD0102 M3052 |
| ESTIMATE | PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P) | AC0409 M3244 |
| ESTIMATE | PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P) | AC0500 M3248 |
| ESTIMATE | PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P) | AC0404 M3229 |
| ESTIMATE | REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379) | CB0125 M3380A |
| ESTIMATE | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |

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| ESTIMATE | SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P) | RC0100 M3679 |
| ESTIMATE | SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3690 |
| ESTIMATE | SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740) | AC1300 M3662 |
| ESTIMATE | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| ESTIMATE | SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P) | LA0106 M3375 |
| ESTIMATE | SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P) | LA0106 M3376 |
| ESTIMATE | SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378) | CB0112 M3379 |
| ESTIMATE | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| ESTIMATE | 100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994) | LA0105 M3150 |
| ESTIMATE | 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P) | RB0101 M3725 |
| ESTIMATE | 18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129) | BE0705 M3275 |
| ESTIMATE | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| ESTIMATE | 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P) | LA0105 M3064 |
| ESTIMATES | A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P) | AC0404 M3230 |
| ESTIMATES | CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P) | AC0411 M3279 |

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| ESTIMATES | COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P) | AC0701 M3654 |
| ESTIMATES | COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089) | AC0404 M3243 |
| ESTIMATES | COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515) | AC0405 M3553B |
| ESTIMATES | COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P) | LA0100 M3262 |
| ESTIMATES | FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P) | RB0108 M3307 |
| ESTIMATES | MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P) | AC0800 M3284 |
| ESTIMATES | PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P) | RB0108 M3301 |
| ESTIMATES | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |
| ESTIMATES | SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P) | RA0200 M3558 |
| ESTIMATING | COSTS, TIME-STUDIES, ESTIMATING (SEE THIS CODE IN SECTION II) | CODE AA0103 |
| ESTIMATING | ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P) | AC0800 M3134 |
| ESTIMATING | ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150) | AC0800 M3281 |
| ETHANE | 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P) | BE0709 M3670 |

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| ETHYLENE | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |
| EVACUATION | EVACUATION OF VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 4P) | AC0305 M3528 |
| EVALUATION | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |
| EVALUATION | BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P) | BE0802 M3082 |
| EVALUATION | BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158) | AA0112 M3294 |
| EVALUATION | EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128) | AC0800 M3269A |
| EVALUATION | EVALUATION OF VACUUM EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AB0105 |
| EVALUATION | HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335) | AA0112 M3162 |
| EVALUATION | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| EVALUATION | PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P) | AB0105 M3619 |
| EVALUATION | THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P) | AA0112 M3212A |
| EVALUATION | WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P) | AB0105 M3369 |
| EVALUATION | WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P) | AB0105 M3385 |
| EXAMINATION | EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P) | BE0610 M3062 |
| EXCITATION | MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P) | RC0107 M3711 |
| EXCITATION | 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P) | BE0705 M3198 |
| EXHIBIT | NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRSING. 11/2/64 4P) | AA0102 M3446 |

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| EXIT | BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II) | CODE BE1805 |
| EXIT | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| EXIT | MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P) | BE1305 M3089 |
| EXPANSION | 82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P) | SPEC M389 |
| EXPANSION-SYSTEM | 25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II) | CODE HE0103 |
| EXPERIMENT | HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P) | PC0101 M3282 |
| EXPERIMENT | LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 12/4/64, 7P UCID 2436) | RC0102 M3458 |
| EXPERIMENTAL | BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II) | CODE BE0701 |
| EXPERIMENTAL | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| EXPERIMENTAL | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II) | CODE BE0705 |
| EXPERIMENTAL | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II) | CODE BE0706 |
| EXPERIMENTAL | BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0708 |
| EXPERIMENTAL | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| EXPERIMENTAL | BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II) | CODE BE0806 |
| EXPERIMENTAL | EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P) | BE0702 M3485 |
| EXPERIMENTAL | EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P) | BE0701 M3729 |

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| EXPERIMENTAL | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| EXPERIMENTAL | 184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS (SEE THIS CODE IN SECTION II) | CODE CA0303 |
| EXPERIMENTAL-AREA | EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P) | AC1100 M3247 |
| EXPERIMENTAL-AREAS | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II) | CODE AC1100 |
| EXPERIMENTAL-AREAS | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA (SEE THIS CODE IN SECTION II) | CODE AC1110 |
| EXPERIMENTAL-AREAS | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II) | CODE AC1120 |
| EXPERIMENTAL-AREAS | BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II) | CODE BE0701 |
| EXPERIMENTAL-HALL | EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P) | AA0300 M3609 |
| EXPERIMENTAL-HALL | SAFETY RECOMMENDATIONS FOR THE EXPERIMENTAL-HALL (ADVANCED ACCELERATOR, LONG PROTON BEAM AREA. P HERNANDEZ. 10/5/65 R11/1/65, 3P UCID 2649) | AC1120 M3612A |
| EXPERIMENTS | TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P) | AA0300 M3188A |
| EXPLOSIVE-ACTUATED | ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITIUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P) | SPEC M397 |
| EXPOSURE | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| EXTRACTION | ADVANCD-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC1001 |
| EXTRACTION | BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P) | AC1001 M3451 |
| EXTRACTION | SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P) | AC0300 M3614 |

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| EXTRACTION-SYSTEM | COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P) | AC1001 M3561 |
| EXTRACTION-SYSTEM | PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P) | AC0301 M3580 |
| FABRICATION | ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P) | AC0200 M3202 |
| FABRICATION | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0502 |
| FABRICATION | ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0503 |
| FABRICATION | CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756) | BE0906 M3706 |
| FABRICATION | DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P) | CB0125 M3565 |
| FABRICATION | ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P) | SPEC M396 |
| FABRICATION | INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P) | AC0500 M3746 |
| FABRICATION | MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P) | AC0501 M3453 |
| FABRICATION | MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732) | AC0502 M3650 |
| FABRICATION | VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/30/65, 12P) | AC0305 M3530 |
| FABRICATION | 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P) | SPEC M390A |
| FABRICATOR | TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P) | AA0101 M3045 |
| FACILITIES | ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P) | LA0108 M3613 |

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| FACILITIES | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II) | CODE AC0411 |
| FACILITIES | BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II) | CODE BE0701 |
| FACILITIES | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| FACILITIES | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II) | CODE BE0705 |
| FACILITIES | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II) | CODE BE0706 |
| FACILITIES | BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0708 |
| FACILITIES | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| FACILITIES | BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II) | CODE BE0806 |
| FACILITIES | DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P) | AA0102 M3515 |
| FACILITIES | HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II) | CODE LA0108 |
| FACILITY | CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P) | AB0400 M3120A |
| FACILITY | COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515) | AC0405 M3553B |
| FACILITY | DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514) | AC0405 M3552A |
| FACILITY | SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II) | CODE AB0403 |
| FAILURE | 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P) | CA0101 M3554 |
| FEED-THRU | UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783) | BE0702 M3731 |

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| FERRITE | COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P) | AC0304 M3348 |
| FERRITE | COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P) | AC0304 M3381 |
| FERRITE | RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P) | MN0201 M3674 |
| FIELD | A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983) | CB0101 M3122 |
| FIELD | BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405) | CB0201 M3370 |
| FIELD | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| FIELD | BEARING TESTS FOR APPLICATION IN VACUUM OF 1X10*-6 TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784) | BE0702 M3732 |
| FIELD | CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P) | AC0303 M3532 |
| FIELD | EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P) | AC0303 M3358 |
| FIELD | FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881) | AA0114 M3026 |
| FIELD | SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P) | BE1130 M3075 |
| FIELD | TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P) | BE0806 M3193 |
| FIELD | VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P) | BE0708 M3024 |
| FIELD-FREE | FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P) | RC0101 M3063 |

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| FIELD-FREE | FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P) | RC0101 M3203 |
| FIELD-ION | FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P) | RA0202 M3673 |
| FIELD-ION | LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P) | RA0202 M3658 |
| FIELD-ION | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P) | AA0300 M3620 |
| FIELD-ION | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P) | AA0300 M3671 |
| FIELD-MEASURING | MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P) | HE0102 M3224 |
| FIELDS | THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P) | AA0114 M3219 |
| FILLER | PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408) | AA0121 M3437 |
| FILM | A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P) | AA0503 M3105 |
| FILM | COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P) | AT0102 M3197 |
| FILM | FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA ECONOMICS OF OPERATION. D NORGREN. 1/10/66, 2P UCID 2743) | HF0102 M3669 |
| FILM | FILM PROCESSOR, 35MM (P BEAN. 8/16/65, 2P) | SPEC M384 |
| FILM | MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P) | RP0103 M3405 |
| FILMS | A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P) | AA0503 M3106 |
| FILMS | PREPARATION OF THIN FILMS (SEE THIS CODE IN SECTION II) | CODE AA0503 |
| FILMS | THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O'CONNELL. 5/3/63, 4P) | AA0503 M3104 |
| FILMS | THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O'CONNELL. 5/3/63, 2P) | AA0503 M3107 |
| FILMSTRIP | STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351) | RP0103 M3401 |

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| FILTER | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |
| FILTERING | IMPROVING PHOTOGRAPHIC-IMAGE-SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 9P) | HD0202 M3716 |
| FINS | STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P) | AT0102 M3111 |
| FIRE-FIGHTING | PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P) | BE1301 M3758 |
| FIRING | 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P) | LA0102 M3196 |
| FISCHER | MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P) | AC0800 M3299 |
| FIT | POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P) | AA0123 M3117A |
| FITTINGS | CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRSING. 2/19/64, 5P) | RA0201 M3266 |
| FITTINGS | TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P) | RC0103 M3747 |
| FIXTURE | BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P) | BE0610 M3186 |
| FIXTURE | BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P) | BE1130 M3041 |
| FIXTURE | MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P) | BE0906 M3013 |
| FIXTURE | STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P) | AA0118 M3431 |
| FLAMESPRAYED | APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P) | SPEC. M373 |
| FLAMMABLE | SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P) | AA0300 M3265 |

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| FLAMMABLE | SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P) | AA0300 M3721 |
| FLANGE | EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 7P) | AC0305 M3527 |
| FLANGED | A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P) | AC0305 M3455 |
| FLANGES | HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.) | RC0100 M3748 |
| FLARELESS | TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P) | RC0103 M3747 |
| FLASK | PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P) | AA0300 M3225 |
| FLASKS | ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. ) 11/7/63, 3P) | AT0102 M3180 |
| FLATTENING | FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P) | RP0101 M3456 |
| FLATTENING | PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P) | RP0101 M3454 |
| FLIGHT | BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P) | RP0103 M3593 |
| FLIP-TARGET | EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P) | BE0702 M3485 |
| FLIP-TARGET | GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P) | BE0702 M3123A |
| FLIP-TARGET | GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P) | BE0702 M3136 |
| FLIP-TARGET | GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P) | BE0702 M3137 |
| FLIP-TARGET | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P) | BE0702 M3139 |

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| FLIP-TARGET | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P) | BE0702 M3138 |
| FLOOR | DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P) | BE0601 M3207 |
| FLOOR | FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P) | RC0103 M3056 |
| FLOOR | MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P) | RC0103 M3051A |
| FLOTATION | DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599) | RC0103 M3586 |
| FLOW | COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P) | LA0105 M3097 |
| FLOW | COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P) | LA0107 M3463 |
| FLOW | DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P) | LA0107 M3547 |
| FLOW | ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P) | RC0103 M3039 |
| FLOW | MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P) | RP0102 M3599 |
| FLOW | MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P) | RC0101 M3096 |
| FLOW | MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334) | AA0112 M3148 |
| FLOW | SOME CRITERIA FOR FLOW INTERLOCKS (R BURLEIGH. 11/14/63, 3P UCID 2231) | AA0118 M3183 |
| FLOW | THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P) | BE0905 M3098 |
| FLOW-CHECK | MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411) | BE0905 M3346A |

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| FLOW-RATE | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P) | CB0140 M3618A |
| FLOWSWITCH | A NEW TYPE WATER FLOWSWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P) | AB0101 M3340 |
| FLOWSWITCH | FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P) | LA0103 M3334 |
| FLOWSWITCH | FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P) | CA0303 M3086 |
| FLOWSWITCH | FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P) | BE0905 M3351 |
| FLOWSWITCH | GEMS PS-900 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRSING. 10/28/64, 1P) | RC0500 M3439 |
| FLOWSWITCH | MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411) | BE0905 M3346A |
| FLOWSWITCH | ONE-HALF INCH WATER FLOWSWITCH (HEAVY-ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P) | LA0102 M3189 |
| FLOWSWITCH | 20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. 11/17/63 R1/10/66, 5P) | LA0102 M3140C |
| FLUORESCENCE | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| FLUX | SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444) | RC0102 M3476 |
| FLUX-DISTRIBUTION | FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P) | AA0114 M3570 |
| FLYING-SPOT | FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P) | SPEC. M375 |
| FOCUSING | IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P) | AA0114 M3195 |
| FOCUSSING | 184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS (SEE THIS CODE IN SECTION II) | CODE CA0303 |
| FOIL | ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P) | AT0102 M3180 |
| FOIL | BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P) | AT0102 M3252 |

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| FOIL | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |
| FOIL | FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P) | RC0100 M3218 |
| FOIL | KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P) | RP0101 M3429 |
| FORCES | ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P) | AC1200 M3534 |
| FORCES | MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P) | BE0907 M3010 |
| FORCES | POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P) | RP0102 M3567 |
| FORCES | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P) | AC1200 M3601 |
| FORE | BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158) | AA0112 M3294 |
| FORE | HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335) | AA0112 M3162 |
| FORGINGS | HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P) | BE1130 M3076 |
| FORM | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| FORMAT | STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351) | RP0103 M3401 |
| FORMATION | HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704) | AA0300 M3630 |
| FORMING | ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P) | AT0102 M3180 |
| FORMULAE | PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P) | AA0123 M3343 |
| FORMULAE | VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P) | BE0708 M3024 |

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| FORMULAS | BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P) | AA0113 M3011 |
| FORMULAS | PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P) | BE0906 M3022 |
| FORMULAS | USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P) | AA0114 M3543 |
| FORMULATION | VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P) | SPEC. M358 |
| FORMULATION | VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P) | SPEC. M360A |
| FORMULATIONS | MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P) | AA0106 M3357A |
| FORTRAN | CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278) | AA0123 M3347 |
| FORTRAN | FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P) | AA0123 M3337 |
| FORTRAN | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P) | AA0123 M3393 |
| FORTRAN | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P) | AA0123 M3394 |
| FOUNDATION | COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P) | AC0402 M3551A |
| FOUNDATION | COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515) | AC0405 M3553B |
| FOUNDATION | LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249) | AC0402 M3398 |
| FOUNDATION | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |

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| FOUNDATIONS | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II) | CODE AC0404 |
| FOUNDATIONS | FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067) | AC0409 M3226 |
| FOUNDRY | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| FOURIER | THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P) | AA0123 M3236 |
| FRAME | 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P) | BE0705 M3220A |
| FREON | FREON PUMP (OMNITRON STUDY, RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P) | SPEC M394 |
| FREON | MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P) | RC0101 M3096 |
| FREON-11 | FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P) | SPEC M393 |
| FREON-11 | RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P) | MN0201 M3674 |
| FREON-13 | 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P) | BE0709 M3694 |
| FREON-13 | 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P) | BE0709 M3592 |
| FREQUENCIES | DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P) | AA0129 M3194 |
| FREQUENCIES | NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P) | AC0404 M3283 |
| FREQUENCY | COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P) | AC0200 M3727 |

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| FREQUENCY | MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P) | BE1401 M3362A |
| FREQUENCY | PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P) | AC0404 M3229 |
| FREQUENCY | RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P) | AC0404 M3304 |
| FRESNEL | CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P) | HD0202 M3720 |
| FRESNEL | FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR N = 1.39 (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 3P) | HD0202 M3719 |
| FUNCTION | BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P) | AC0300 M3452 |
| FUNCTION | MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P) | CA0206 M3477B |
| FUNCTION | TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372) | BE0708 M3324A |
| FUNCTIONS | THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P) | AA0123 M3236 |
| FURANE-D40 | VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P) | SPEC. M358 |
| FURNACE | PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 2/28/66, 2P) | AA0300 M3704 |
| GAGE | J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P) | SPEC. M361A |
| GAGE | THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P) | AA0300 M3249 |
| GAGES | RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P) | RA0204 M3099 |
| GAMMA | CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II) | CODE RC0101 |

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| GAMMA | MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420) | RP0104 M3443 |
| GAMMA | PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P) | RP0101 M3454 |
| GAMMA | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |
| GAMMA | PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3495 |
| GAMMA-RAY | REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P) | RC0100 M3660 |
| GAP | C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P) | AA0114 M3416 |
| GAP | CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P) | AC0303 M3532 |
| GAP | MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P) | AC0500 M3536 |
| GAP | POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P) | RP0102 M3567 |
| GAP | 18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 5/15/63, 7P) | SPEC. M353 |
| GAP-MOUNTED | EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P) | BE0702 M3485 |
| GAP-MOUNTED | GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P) | BE0702 M3123A |
| GAP-MOUNTED | GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P) | BE0702 M3136 |
| GAP-MOUNTED | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P) | BE0702 M3138 |
| GAP-MOUNTED | GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P) | BE0702 M3137 |

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| GAP-MOUNTED | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P) | BE0702 M3139 |
| GAS | A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P) | AB0101 M3352 |
| GAS | GAS DETECTORS, (SURVEY AND RECOMMENDATION, HYDROGEN SAFETY COMMITTEE. J SHAND. 1/4/66, 1P UCID 2739) | AA0300 M3661 |
| GAS | HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P) | AA0300 M3643 |
| GAS | HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P) | BE0709 M3221 |
| GAS | ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P) | RC0103 M3039 |
| GAS | LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AB0102 |
| GAS | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |
| GAS | SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 12/1/65, 1P UCID 2712) | AA0300 M3639 |
| GAS | SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P) | AA0300 M3265 |
| GAS | SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P) | AA0300 M3721 |
| GAS | 1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P) | AT0101 M3251 |
| GAS | 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P) | AA0300 M3759 |
| GASEOUS | ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P) | RC0103 M3044 |
| GASES | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |

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| GASES | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| GASES | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| GASES | RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P) | RA0204 M3099 |
| GASKET | A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P) | AC0305 M3455 |
| GASKET | DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P) | HE0103 M3101 |
| GASKET | VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890) | AA0117 M3035 |
| GASKETS | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |
| GATE | DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P) | BE1805 M3272 |
| GATE | STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206) | RC0103 M3309 |
| GAUGE | CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P) | AA0112 M3484 |
| GAUGE | HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P) | AA0112 M3217 |
| GAUGE | THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343) | AA0112 M3364A |
| GAUGE | THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P) | AA0112 M3210 |
| GAUGE | THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P) | AA0112 M3212A |
| GEMS | GEMS PS-900 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRSING. 10/28/64, 1P) | RC0500 M3439 |
| GENERAL-ELECTRIC | BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P) | AC0300 M3344 |

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| GENERAL-ELECTRIC | VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P) | AA0114 M3079 |
| GLASS | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| GLASS | FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P) | SPEC. M375 |
| GLASS | GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P) | SPEC. M363 |
| GLASS | HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347) | HE0106 M3386A |
| GLASS | LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P) | HE0103 M3168A |
| GLASS | MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P) | BE1805 M3372 |
| GLASS | TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372) | BE0708 M3324A |
| GLASS | VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P) | SPEC. M351B |
| GLASS | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| GLOW-DISCHARGE | GLOW-DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P) | RC0103 M3015 |
| GONDOLA | ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P) | SPEC M396 |
| GONDOLA | ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITIUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P) | SPEC M397 |
| GOOSENECKS | CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P) | AA0300 M3641 |

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| GRADIENT | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| GRADIENT | BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405) | CB0201 M3370 |
| GRADIENT | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| GRADIENT | BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P) | AC0503 M3755 |
| GRADIENT | CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P) | AC0303 M3532 |
| GRADIENT | GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P) | AC0303 M3649 |
| GRADIENT | GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P) | AC0303 M3646 |
| GRADIENT | GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P) | AC0303 M3470 |
| GRADIENT | GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P) | AC0302 M3680 |
| GRADIENT | GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P) | SPEC. M374 |
| GRADIENT | MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P) | SPEC M386C |
| GRADIENT | TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P) | AC0303 M3676 |
| GRADIENTS | DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P) | AC0404 M3520 |

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| GRAPHS | GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338) | AA0114 M3382B |
| GRAPHS | MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P) | AA0114 M3524 |
| GRAVITY | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| GRAVITY | POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P) | RP0102 M3567 |
| GRID | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| GRID | CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P) | LA0102 M3141 |
| GRID | FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P) | AA0123 M3337 |
| GRILL | PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P) | LA0107 M3409 |
| GRINDING | FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P) | RP0101 M3456 |
| GROOVE | J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P) | SPEC. M361A |
| GROOVE | J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P) | SPEC. M361A |
| HANDLING | ADVANCD-ACCELERATOR, HANDLING EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AC1300 |
| HANDLING | BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II) | CODE BE0610 |
| HANDLING | COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P) | AC1300 M3562A |
| HANDLING | HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORGREN. 9/25/63, 1P) | HE0105 M3149 |
| HANDLING | LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P) | AA0300 M3672 |

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| HANDLING | 184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE CA0102 |
| HARDWARE | EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P) | AC1100 M3247 |
| HARDWARE | HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P) | BE0610 M3115 |
| HARDWARE | INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P) | AC0300 M3246 |
| HASTINGS | HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P) | AA0112 M3217 |
| HAZARD | HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P) | AA0300 M3622 |
| HAZARDOUS | BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P) | AA0300 M3628 |
| HEADS | EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P) | LA0107 M3395 |
| HEADS | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| HEAT | DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P) | RC0103 M3034 |
| HEAT | DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P) | LA0107 M3547 |
| HEAT | HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P) | AA0106 M3160 |
| HEAT | HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P) | LA0107 M3417 |
| HEAT | ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P) | RC0103 M3044 |
| HEAT | POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P) | LA0105 M3487 |
| HEAT-BALANCE | PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P) | LA0107 M3611 |

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| HEAT-EXCHANGER | FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P) | SPEC M393 |
| HEAT-TRANSFER | DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P) | RC0103 M3034 |
| HEAT-TRANSFER | HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P) | BE0905 M3002 |
| HEAT-TRANSFER | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| HEAT-TRANSFER | TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P) | AC0303 M3676 |
| HEATER | HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P) | AA0112 M3217 |
| HEATERS | ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3450 |
| HEATING | HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347) | HE0106 M3386A |
| HEATING | PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P) | LA0107 M3611 |
| HEATING | SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446) | RC0102 M3479 |
| HEATING | TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P) | AC1120 M3564 |
| HEATING | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| HEAVY-ION | HEAVY-ION ACCELERATOR (SEE THIS CODE IN SECTION II) | CODE LA0100 |
| HEAVY-ION | HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II) | CODE LA0101 |
| HEAVY-ION | HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS (SEE THIS CODE IN SECTION II) | CODE LA0102 |
| HEAVY-ION | HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II) | CODE LA0103 |

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| HEAVY-ION | HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II) | CODE LA0105 |
| HEAVY-ION | HEAVY-ION ACCELERATOR, GENERAL, SHIELDING (SEE THIS CODE IN SECTION II) | CODE LA0106 |
| HEAVY-ION | HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II) | CODE LA0107 |
| HEAVY-ION | HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II) | CODE LA0108 |
| HELIUM | HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704) | AA0300 M3630 |
| HELIUM | LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P) | RA0202 M3658 |
| HELIUM | LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 12/4/64, 7P UCID 2436) | RC0102 M3458 |
| HELIUM | LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P) | AA0300 M3133 |
| HELIUM | MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P) | RP0102 M3053 |
| HELIUM | SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P) | AA0300 M3634 |
| HELIUM | TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II) | CODE AT0101 |
| HELIUM | TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II) | CODE AT0102 |
| HELIUM | 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P) | RP0102 M3014 |
| HEMATITE | MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P) | SPEC. M15C |
| HEMISPHERES | BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P) | AT0102 M3252 |
| HERAEUS | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |

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| HERO | CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS. D ROTHFUSS. 8/30/63, 4P) | SPEC. M359 |
| HERO | 12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P) | SPEC. M346 |
| HIGH-ACCURACY | TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P) | AC0406 M3545 |
| HIGH-DENSITY | HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P) | SPEC. M16C |
| HIGH-DENSITY | MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P) | SPEC. M15C |
| HIGH-FREQUENCY | RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P) | MN0201 M3674 |
| HIGH-PRESSURE | HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P) | AA0300 M3643 |
| HIGH-PRESSURE | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| HIGH-PRESSURE | STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758) | RA0200 M3712 |
| HIGH-STRENGTH | PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P) | LA0101 M3100 |
| HIGH-STRENGTH | STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P) | AA0109 M3566 |
| HIGH-TEMPERATURE | INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0201 |
| HIGH-VOLTAGE | HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P) | BE0902 M3017 |
| HIPPENSTAHL | HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P) | BE1130 M3076 |
| HOIST | ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P) | BE0610 M3289A |
| HOKE-GYROLOK | TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P) | RC0103 M3747 |

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| HOLDER | NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P) | AA0102 M3768 |
| HOLDER | REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P) | RC0100 M3660 |
| HOMALITE | ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P) | AA0106 M3741 |
| HOMALITE | HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P) | AA0106 M3764 |
| HOMALITE | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| HOOK | EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P) | BE0610 M3062 |
| HOOK-SUSPENDED | HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P) | BE0610 M3115 |
| HOSE | DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P) | BE0705 M3293 |
| HOSE | DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P) | BE0705 M3293 |
| HOSE | HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P) | LA0103 M3083 |
| HOSE | HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335) | AA0112 M3162 |
| HOSE | PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331) | AA0114 M3047 |
| HOSE | WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P) | LA0102 M3280 |
| HOSES | AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P) | BE0705 M3208 |
| HOSES | ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P) | BE0705 M3256 |
| HOT-PRESSED | THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P) | AA0107 M3691 |
| HOUSE | EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P) | BE0701 M3729 |

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| HOVAIR | DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599) | RC0103 M3586 |
| HUMANS | BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II) | CODE RB0108 |
| HYDRAULIC | HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P) | BE0702 M3036 |
| HYDRAULIC | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |
| HYDRAULIC | SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II) | CODE AA0117 |
| HYDROGEN | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| HYDROGEN | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| HYDROGEN | DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340) | RA0203 M3335 |
| HYDROGEN | ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3450 |
| HYDROGEN | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| HYDROGEN | HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P) | SPEC. M370 |
| HYDROGEN | HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P) | BE0709 M3221 |
| HYDROGEN | HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281) | AT0101 M3419 |
| HYDROGEN | LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P) | AA0300 M3672 |
| HYDROGEN | LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P) | AA0300 M3638 |
| HYDROGEN | LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P) | AA0300 M3133 |

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| HYDROGEN | MINUTES OF HYDROGEN SAFETY COMMITTEE (SEE THIS CODE IN SECTION II) | CODE AA0300 |
| HYDROGEN | SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P) | RA0204 M3114 |
| HYDROGEN | SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 12/1/65, 1P UCID 2712) | AA0300 M3639 |
| HYDROGEN | SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P) | AA0300 M3634 |
| HYDROGEN | TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II) | CODE AT0101 |
| HYDROGEN | TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II) | CODE AT0102 |
| HYDROGEN | TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P) | AA0300 M3188A |
| HYDROGEN | UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P) | AA0300 M3206 |
| HYDROGEN | 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P) | AA0300 M3759 |
| HYDROGEN | 25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II) | CODE HE0102 |
| HYDROGEN | 25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II) | CODE HE0103 |
| HYDROGEN | 25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II) | CODE HE0105 |
| HYDROGEN | 25-IN HYDROGEN BUBBLE-CHAMBER, OPERATION (SEE THIS CODE IN SECTION II) | CODE HE0106 |
| HYDROGEN | 72-IN HYDROGEN BUBBLE-CHAMBER, DEVELOPMENT (SEE THIS CODE IN SECTION II) | CODE HD0102 |
| HYDROGEN | 72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II) | CODE HD0103 |
| HYDROSTATIC | CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P) | BE0701 M3702 |
| HYPERFRAGMENT | HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P) | PC0101 M3282 |

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| HYSTERESIS | PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P) | AC1120 M3682 |
| IBM | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P) | AA0123 M3393 |
| IBM | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P) | AA0123 M3394 |
| ICE | HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704) | AA0300 M3630 |
| IGNITRON | PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P) | LA0101 M3067 |
| ILLUMINATION | 82-IN BUBBLE-CHAMBER, ILLUMINATION (SEE THIS CODE IN SECTION II) | CODE HD0202 |
| IMAGE | IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P) | HD0103 M3696 |
| IMAGE | 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II) | CODE HF0101 |
| IMPREGNATION | VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P) | SPEC. M358 |
| IMPREGNATION | VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P) | SPEC. M360A |
| IMPULSE | MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P) | AA0114 M3191 |
| INCIDENT | FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR N = 1.39 (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 3P) | HD0202 M3719 |
| INDEX | CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P) | HD0202 M3717 |
| INDEX | INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P) | BE0905 M3215 |
| INDEX | MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P) | CA0101 M3019 |
| INDEXING | DOCUMENT PREPARATION, INDEXING, RETRIEVAL (SEE THIS CODE IN SECTION II) | CODE AA0128 |
| INDICATOR | A NEW TYPE WATER FLOWSWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P) | AB0101 M3340 |

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| INDICATOR | STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P) | BE0705 M3329 |
| INDUCTANCE | APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P) | AC0505 M3261 |
| INDUCTION | CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756) | BE0906 M3706 |
| INERTIA | EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P) | BE0702 M3485 |
| INFLECTOR | ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P) | BE0907 M3118A |
| INFLECTOR | BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II) | CODE BE0906 |
| INFLECTOR | BEVATRON, INJECTOR-II, INFLECTOR (SEE THIS CODE IN SECTION II) | CODE BE0907 |
| INFLECTOR | INFLECTOR SURVEY RESULTS JUNE 1965 (BEVATRON, INJECTOR-II. S JOHNSON. 6/18/65, 3P) | BE0907 M3581 |
| INFLECTOR | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| INFORMATION-SYSTEM | TECHNICAL INFORMATION-SYSTEM AND CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P) | AA0102 M3253 |
| INJECTED | CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P) | BE0907 M3132 |
| INJECTED | METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P) | BE0907 M3131 |
| INJECTION | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II) | CODE AC0301 |
| INJECTION | COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089) | AC0404 M3243 |
| INJECTION | PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P) | AC0409 M3244 |

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| INJECTOR | ADVANCD-ACCELERATOR, LINAC INJECTOR (SEE THIS CODE IN SECTION II) | CODE AC0200 |
| INJECTOR | ADVANCD-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0220 |
| INJECTOR | ADVANCD-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II) | CODE AC0250 |
| INJECTOR | ADVANCD-ACCELERATOR, SYNCHROTRON INJECTOR (SEE THIS CODE IN SECTION II) | CODE AC0300 |
| INJECTOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0302 |
| INJECTOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II) | CODE AC0301 |
| INJECTOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0303 |
| INJECTOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0304 |
| INJECTOR | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0305 |
| INJECTOR | COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P) | LA0108 M3685 |
| INJECTOR | FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITES. J HAUGHIAN. 2/8/66, 2P) | LA0108 M3686 |
| INJECTOR | HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II) | CODE LA0108 |
| INJECTOR | INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P) | AC0300 M3714A |
| INJECTOR | INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P) | AC0300 M3246 |
| INJECTOR | MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584) | AC0300 M3568 |
| INJECTOR | PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P) | AC0301 M3580 |

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| INJECTOR | PROPOSED INJECTOR TERMINAL IMPROVEMENTS (HEAVY ION ACCELERATOR ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 12/23/65, 7P) | LA0108 M3656 |
| INJECTOR | SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P) | AC0300 M3614 |
| INJECTOR | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| INJECTOR | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |
| INJECTOR-II | BEVATRON, INJECTOR-II, ION-SOURCE (SEE THIS CODE IN SECTION II) | CODE BE0902 |
| INJECTOR-II | BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II) | CODE BE0904 |
| INJECTOR-II | BEVATRON, INJECTOR-II, ION-GUN (SEE THIS CODE IN SECTION II) | CODE BE0903 |
| INJECTOR-II | BEVATRON, INJECTOR-II, LINAC (SEE THIS CODE IN SECTION II) | CODE BE0905 |
| INJECTOR-II | BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II) | CODE BE0906 |
| INJECTOR-II | BEVATRON, INJECTOR-II, INFLECTOR (SEE THIS CODE IN SECTION II) | CODE BE0907 |
| INORGANIC | A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P) | AA0503 M3105 |
| INORGANIC | INORGANIC MATERIALS RESEARCH (SEE THIS CODE IN SECTION II) | CODE RA0200 |
| INORGANIC | INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0201 |
| INORGANIC | INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0202 |
| INORGANIC | INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II) | CODE RA0203 |
| INORGANIC | INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II) | CODE RA0204 |
| INORGANIC | PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0107 |
| INORGANIC | THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O'CONNELL. 5/3/63, 2P) | AA0503 M3107 |

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| INSPECTION | NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P) | SPEC. M352 |
| INSPECTION | SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P) | BE1130 M3075 |
| INSTALLATION | HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P) | PC0101 M3282 |
| INSTALLATION | INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P) | AC0220 M3597 |
| INSTALLATION | MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P) | RC0103 M3049 |
| INSTALLATION | MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P) | RC0103 M3051A |
| INSTALLATION | MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P) | RC0103 M3058 |
| INSTALLATION | MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 7/3/63, 6P) | RC0103 M3090 |
| INSTALLATION | MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 11/8/63, 4P) | RC0103 M3182 |
| INSTALLATION | MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P) | CA0206 M3477B |
| INSTALLATION | PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P) | AA0123 M3088 |
| INSTALLATION | SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 12/1/65, 1P UCID 2712) | AA0300 M3639 |
| INSTALLATION | TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P) | AA0102 M3373 |
| INSTALLING | PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P) | LA0101 M3100 |
| INSTRUCTION | MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P) | BE0706 M3080 |

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| INSTRUCTION | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P) | AA0123 M3393 |
| INSTRUCTION | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P) | AA0123 M3394 |
| INSTRUCTIONS | GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P) | BE0702 M3123A |
| INSTRUCTIONS | GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P) | BE0702 M3136 |
| INSTRUCTIONS | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P) | BE0702 M3139 |
| INSTRUCTIONS | HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P) | BE0902 M3017 |
| INSTRUCTIONS | INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P) | BE0705 M3590 |
| INSTRUCTIONS | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| INSTRUCTIONS | INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P) | BE0705 M3422 |
| INSTRUCTIONS | OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P) | BE0709 M3004 |
| INSTRUCTIONS | OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P) | BE0709 M3055 |
| INSTRUCTIONS | PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P) | LA0101 M3067 |
| INSTRUCTIONS | TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P) | LA0107 M3595 |
| INSTRUCTIONS | TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P) | AA0300 M3188A |

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| INSTRUMENT | DIAGNOSTIC INSTRUMENT PACKAGING (SEE THIS CODE IN SECTION II) | CODE AB0402 |
| INSTRUMENT | DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P) | AB0402 M3021 |
| INSTRUMENT | NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRSING. 11/2/64 4P) | AA0102 M3446 |
| INSTRUMENT | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |
| INSTRUMENT | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P) | AC0406 M3603 |
| INSTRUMENTATION | BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II) | CODE RB0101 |
| INSTRUMENTATION | OPTICAL INSTRUMENTATION AND TOOLING (SEE THIS CODE IN SECTION II) | CODE AA0501 |
| INSULATION | 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P) | LA0102 M3196 |
| INSULATOR | ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P) | SPEC. M355A |
| INTERCHANGE | TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P) | RC0103 M3747 |
| INTERFEROMETRY | MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P) | AA0501 M3482 |
| INTERLOCK | THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P) | BE0905 M3098 |
| INTERLOCKING | INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935) | AA0300 M3085 |
| INTERLOCKS | KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P) | CA0200 M3474 |
| INTERLOCKS | SOME CRITERIA FOR FLOW INTERLOCKS (R BURLEIGH. 11/14/63, 3P UCID 2231) | AA0118 M3183 |

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| INVENTORY | SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P) | AA0300 M3634 |
| INVESTIGATION | DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P) | AB0402 M3021 |
| INVESTIGATION | INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403) | CB0121 M3359 |
| INVESTIGATION | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| INVESTIGATION | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P) | CB0140 M3610 |
| INVESTIGATIONS | INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II) | CODE AB0108 |
| ION | CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P) | BE0907 M3132 |
| ION | ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183) | RC0103 M3305 |
| ION | RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P) | RA0204 M3099 |
| ION-GUN | BEVATRON, INJECTOR-II, ION-GUN (SEE THIS CODE IN SECTION II) | CODE BE0903 |
| ION-GUN | BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II) | CODE BE0904 |
| ION-SOURCE | BEVATRON, INJECTOR-II, ION-SOURCE (SEE THIS CODE IN SECTION II) | CODE BE0902 |
| ION-SOURCE | ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230) | CB0130 M3059 |
| ION-SOURCE | ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P) | RC0103 M3153 |
| ION-SOURCE | ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P) | RC0103 M3044 |
| ION-SOURCE | ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P) | RC0103 M3039 |

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| ION-SOURCE | ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P) | RC0103 M3023 |
| ION-SOURCE | 88-IN CYCLOTRON, MECHANICAL, ION-SOURCE (SEE THIS CODE IN SECTION II) | CODE CB0130 |
| IONIZATION | CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P) | AA0112 M3484 |
| IRIS | CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P) | AA0114 M3387 |
| IRRADIATION | BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II) | CODE RB0108 |
| IRRADIATION | LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P) | RB0100 M3517A |
| ISOCHRONOUS | A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983) | CB0101 M3122 |
| ISOLATION | NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988) | RA0203 M3147 |
| ISOLATION | 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P) | LA0102 M3196 |
| ISOTOPE | CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P) | RC0103 M3505 |
| ISOTOPE | CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P) | RC0103 M3699 |
| ISOTOPE | CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II) | CODE RC0103 |
| ISOTOPE | ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P) | RC0103 M3007 |
| J-GROOVE | J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P) | AA0117 M3199A |
| J-GROOVE | J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P) | AA0117 M3175A |
| JACK | INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P) | BE0705 M3590 |

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| JACK | LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P) | BE0801 M3596 |
| JACKET | PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3449 |
| JAR | CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P) | AB0403 M3033 |
| JIB | DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P) | BE0610 M3459 |
| JIG | MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419) | AA0901 M3442 |
| JIG-O-SEAL | VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890) | AA0117 M3035 |
| JOINT | ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITIUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P) | SPEC M397 |
| JOINT | HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.) | RC0100 M3748 |
| JOINT | JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P) | AA0102 M3361 |
| JOINT | PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING. 5/24/65, 4P) | RA0203 M3569 |
| JOINT | 1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P) | AA0102 M3588 |
| JOINTS | A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P) | AC0305 M3455 |
| JOINTS | ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.) | RC0100 M3750 |
| JOINTS | PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P) | AA0114 M3113 |
| JULIUS | COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRSING. 10/9/63, 3P) | RA0203 M3161 |
| JUMPS | SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444) | RC0102 M3476 |

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| JUSTIFICATION | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| KENNEY | KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P) | RP0101 M3429 |
| KINNEY | PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636) | AB0105 M3608 |
| KINNEY-KC-8 | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P) | AA0112 M3509 |
| KLIXON | BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365) | BE0806 M3391 |
| KLIXON | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |
| KLIXON | KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P) | CA0200 M3474 |
| KLIXON | TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P) | BE0806 M3193 |
| KOVAR-7052 | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| KROMARC-55 | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| LABORATORIES | PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P) | AA0102 M3539 |
| LABORATORY | BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P) | AA0102 M3540 |
| LABORATORY | FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P) | RC0101 M3063 |
| LABORATORY | FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P) | RC0101 M3203 |
| LABORATORY | SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P) | AA0300 M3721 |

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| LABORATORY | TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P) | AA0102 M3373 |
| LABORATORY | VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 1P) | AA0102 M3432 |
| LABORATORY | VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P) | AA0102 M3072 |
| LAMINATING | PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3495 |
| LAMINATION | AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333) | BE0804 M3103 |
| LASER | MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P) | AA0501 M3482 |
| LAYOUTS | COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089) | AC0404 M3243 |
| LCW-SYSTEMS | RECOMMENDED CHANGES TO LCW-SYSTEMS TO ACCOMMODATE NEW LOADS (BEVATRON. W EATON, F CROSBY. 11/20/63, 3P) | BE0104 M3192 |
| LEAD | A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362) | AA0501 M3408 |
| LEADS | CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 6/12/65, 13P) | RC0102 M3582 |
| LEAK | WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P) | LA0102 M3280 |
| LEAKS | HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P) | CB0121 M3285 |
| LEAST-SQUARES | LEAST-SQUARES TECHNIQUE USING MATRICES (R SCHWARZ. 7/29/63, 5P) | AA0123 M3109 |
| LEAST-SQUARES | POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P) | AA0123 M3117A |
| LECTURE-NOTES | ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P) | AA0123 M3489 |

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| LECTURE-NOTES | ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P) | AA0123 M3488 |
| LEG | MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P) | AC0405 M3546 |
| LEG | REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P) | AC0505 M3326 |
| LEVELS | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| LH2 | CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P) | AA0300 M3641 |
| LH2 | PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P) | AA0300 M3225 |
| LIAISON | TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P) | AA0101 M3045 |
| LIFTING | BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P) | BE0610 M3186 |
| LIFTING | BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P) | BE1130 M3041 |
| LIFTING | HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P) | BE0610 M3115 |
| LIFTING | MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P) | BE0906 M3013 |
| LIFTING | NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P) | SPEC. M17 |
| LIFTING | SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P) | CA0202 M3126 |
| LIFTING | STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P) | AA0118 M3431 |
| LIFTING | 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P) | BE0705 M3220A |
| LIFTING | 184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE CA0102 |
| LIGHTS | HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P) | AA0300 M3622 |

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| LINAC | ADVANCD-ACCELERATOR, LINAC INJECTOR (SEE THIS CODE IN SECTION II) | CODE AC0200 |
| LINAC | ADVANCD-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II) | CODE AC0250 |
| LINAC | ADVANCD-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II) | CODE AC0250 |
| LINAC | ADVANCD-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0220 |
| LINAC | BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II) | CODE BE0904 |
| LINAC | BEVATRON, INJECTOR-II, LINAC (SEE THIS CODE IN SECTION II) | CODE BE0905 |
| LINAC | BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II) | CODE BE0906 |
| LINAC | FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P) | BE0905 M3351 |
| LINAC | INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P) | BE0905 M3215 |
| LINAC | INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P) | AC0220 M3597 |
| LINAC | LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P) | BE0905 M3214 |
| LINAC | LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P) | BE0905 M3116 |
| LINAC | LINAC TANKS (ADVANCED ACCELERATOR. W EATON. 6/10/65, 5P) | SPEC M381 |
| LINKS | NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P) | SPEC. M17 |
| LINKS | SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P) | CA0202 M3126 |
| LIQUEFIED | LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AB0102 |
| LIQUID | A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P) | AC0406 M3531 |
| LIQUID | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| LIQUID | DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340) | RA0203 M3335 |

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| LIQUID | LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352) | AT0102 M3402 |
| LIQUID | LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P) | RA0202 M3658 |
| LIQUID | LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 12/4/64, 7P UCID 2436) | RC0102 M3458 |
| LIQUID | LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P) | AA0300 M3672 |
| LIQUID | LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P) | AA0300 M3638 |
| LIQUID | LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P) | AA0300 M3133 |
| LIQUID | LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P) | AB0102 M3050 |
| LIQUID | LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY,CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.) | RC0103 M3749 |
| LIQUID | MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P) | RP0102 M3053 |
| LIQUID | MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P) | RC0101 M3096 |
| LIQUID | REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P) | AA0112 M3636 |
| LIQUID | STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P) | AT0102 M3111 |
| LIQUID | SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P) | AA0300 M3634 |
| LIQUID | SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P) | AA0300 M3634 |
| LIQUID | TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P) | AA0300 M3188A |
| LIQUID | UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P) | AA0300 M3206 |

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| LIQUID | 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P) | RP0102 M3014 |
| LIQUID-LEVEL-SYSTEM | LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P) | BE0801 M3596 |
| LIQUID-LEVEL-SYSTEM | LIQUID-LEVEL-SYSTEM, INTERPRETING OUTPUT READINGS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 6/21/65, R6/24/65, 3P) | BE0801 M3583A |
| LIQUID-LEVEL-SYSTEM | LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P) | BE0801 M3598 |
| LIQUID-LEVEL-SYSTEM | LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P) | BE0801 M3684 |
| LIQUID-LEVEL-SYSTEM | LIQUID-LEVEL-SYSTEM, DATA RECORDING AND REDUCTION (BEVATRON EXTERNAL PROTON BEAM. S RICE. 1/26/66, 7P) | BE0801 M3678 |
| LITTON-IND | WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRSING. 2/19/65, 4P) | AC0305 M3503 |
| LIVERMORE | ENGINEERING TECHNOLOGY FOR LIVERMORE (SEE THIS CODE IN SECTION II) | CODE AB0400 |
| LOGARITHMIC | FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P) | AA0123 M3337 |
| LONG-RANGE | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| LONG-SPAN | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| LOOP | DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P) | LA0102 M3633 |
| LOOPS | COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P) | LA0105 M3097 |
| LOSSES | GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P) | AC0303 M3649 |

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| LOSSES | PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P) | AC1120 M3682 |
| LOW-CONDUCTIVITY | ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P) | BE0104 M3112 |
| LOW-CONDUCTIVITY | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P) | CB0140 M3610 |
| LOW-CONDUCTIVITY | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P) | CB0140 M3618A |
| LOW-LEVEL | LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P) | RB0100 M3517A |
| LOW-POWER | LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P) | BE0701 M3048 |
| LOW-PRESSURE | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |
| LOW-PRESSURE | SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P) | AA0300 M3265 |
| LOW-TEMPERATURE | CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE RC0102 |
| LOW-TEMPERATURE | INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II) | CODE RA0203 |
| LOW-TEMPERATURE | LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRSING. 10/23/64, 3P) | RC0102 M3435 |
| LOW-TEMPERATURE | THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P) | AA0107 M3691 |
| LUBRICATION | MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P) | BE0706 M3080 |
| MACHINE | DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P) | SPEC. M354 |
| MACHINE | DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P) | SPEC. M376 |

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| MACHINE | ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) | CA0102 M3625 |
| MACHINE | MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P) | RC0103 M3049 |
| MACHINE | MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P) | RC0103 M3049 |
| MACHINE | MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P) | RC0103 M3051A |
| MACHINE | MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P) | RC0103 M3058 |
| MACHINE | MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 7/3/63, 6P) | RC0103 M3090 |
| MACHINE | MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 11/8/63, 4P) | RC0103 M3182 |
| MACHINE | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| MAGNA | OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P) | BE0905 M3124 |
| MAGNEHELIC | THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P) | AA0300 M3249 |
| MAGNESIA | A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P) | AA0500 M3425 |
| MAGNET | A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P) | AC0404 M3230 |
| MAGNET | A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018) | AC0508 M3200 |
| MAGNET | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0302 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II) | CODE AC0402 |

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| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II) | CODE AC0404 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II) | CODE AC0405 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II) | CODE AC0405 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II) | CODE AC0406 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0409 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II) | CODE AC0411 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II) | CODE AC0410 |
| MAGNET | ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0503 |
| MAGNET | ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492) | AC0501 M3526 |
| MAGNET | ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P) | BE0907 M3118A |
| MAGNET | AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P) | AC0508 M3237 |
| MAGNET | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| MAGNET | APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P) | AC0505 M3261 |
| MAGNET | AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333) | BE0804 M3103 |
| MAGNET | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II) | CODE BE0706 |
| MAGNET | BEVATRON, MAGNET CORE (SEE THIS CODE IN SECTION II) | CODE BE1201 |

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| MAGNET | BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II) | CODE BE1210 |
| MAGNET | BEVATRON, MAGNET COIL (SEE THIS CODE IN SECTION II) | CODE BE1301 |
| MAGNET | BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II) | CODE BE1305 |
| MAGNET | BEVATRON, MAGNET POWER-SUPPLY (SEE THIS CODE IN SECTION II) | CODE BE1401 |
| MAGNET | BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365) | BE0806 M3391 |
| MAGNET | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |
| MAGNET | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |
| MAGNET | BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P) | AC0503 M3755 |
| MAGNET | BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P) | LA0102 M3025 |
| MAGNET | C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P) | AA0114 M3416 |
| MAGNET | CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P) | BE0907 M3132 |
| MAGNET | CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P) | CB0201 M3316 |
| MAGNET | CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS. D ROTHFUSS. 8/30/63, 4P) | SPEC. M359 |
| MAGNET | CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P) | CA0303 M3081 |
| MAGNET | CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P) | AC0303 M3532 |
| MAGNET | CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P) | AC0404 M3523 |

MAGNET COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 2/3/65, 11P UCID 2458) RC0102 M3496

MAGNET CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P) AA0114 M3387

MAGNET CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R MEUSER. 7/21/64, 3P) AA0114 M3371

MAGNET COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRSING. 10/9/63, 3P) RA0203 M3161

MAGNET COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P) AC0300 M3258

MAGNET COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089) AC0404 M3243

MAGNET COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515) AC0405 M3553B

MAGNET COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P) AA0103 M3492

MAGNET CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P) LA0102 M3491

MAGNET DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514) AC0405 M3552A

MAGNET DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P) BE0905 M3091

MAGNET ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P) BE0705 M3256

MAGNET EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337) BE0804 M3327

MAGNET FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P) CA0303 M3086

MAGNET FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P) AA0114 M3570

MAGNET FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P) CA0202 M3353A

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| MAGNET | FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P) | RC0103 M3056 |
| MAGNET | GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P) | AC0303 M3646 |
| MAGNET | GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P) | AC0303 M3470 |
| MAGNET | GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P) | AC0302 M3680 |
| MAGNET | GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338) | AA0114 M3382B |
| MAGNET | INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P) | AC0500 M3746 |
| MAGNET | INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P) | RA0204 M3121 |
| MAGNET | INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P) | AC0501 M3259 |
| MAGNET | INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P) | BE0705 M3590 |
| MAGNET | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| MAGNET | LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P) | AC0501 M3257 |
| MAGNET | M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P) | BE0804 M3094 |
| MAGNET | M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/11/62, R2/11/63, 5/29/63, 4P) | SPEC. M345B |
| MAGNET | M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P) | BE0803 M3016 |
| MAGNET | M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P) | BE0804 M3490 |
| MAGNET | M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P) | BE0804 M3177A |

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| MAGNET | M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/10/63, R1/7/64, 3P) | SPEC. M362A |
| MAGNET | M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336) | BE0804 M3176A |
| MAGNET | M-6 MAGNET (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 2/18/64, 3P) | SPEC. M364 |
| MAGNET | MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418) | AA0901 M3441 |
| MAGNET | MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P) | AC0500 M3468 |
| MAGNET | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |
| MAGNET | MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P) | BE1305 M3089 |
| MAGNET | MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P) | RP0102 M3599 |
| MAGNET | MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P) | AA0114 M3191 |
| MAGNET | MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P) | AC0505 M3156 |
| MAGNET | MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P) | AC0505 M3155 |
| MAGNET | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| MAGNET | MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P) | SPEC M398 |
| MAGNET | MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P) | AA0114 M3524 |
| MAGNET | MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P) | AC0409 M3320 |

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| MAGNET | MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P) | HE0102 M3224 |
| MAGNET | MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P) | AC0500 M3536 |
| MAGNET | MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P) | BE0906 M3013 |
| MAGNET | MAGNET M-5 MARK-2 DESIGN (BEVATRON-EXTERNAL PROTON BEAM TRANSPORT MAGNETS. D VORKOEPER. 12/2/65, 6P) | BE0804 M3708 |
| MAGNET | MAGNET NAME-PLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J HART. 2/10/65, 1P) | AA0114 M3502 |
| MAGNET | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| MAGNET | MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P) | BE0802 M3020 |
| MAGNET | MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P) | AC0406 M3579 |
| MAGNET | MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P) | RP0102 M3053 |
| MAGNET | MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P) | AC0405 M3546 |
| MAGNET | MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P) | AC0302 M3578 |
| MAGNET | MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P) | AC0404 M3319 |
| MAGNET | MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P) | BE1201 M3286 |
| MAGNET | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| MAGNET | MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P) | AC0501 M3453 |

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| MAGNET | MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732) | AC0502 M3650 |
| MAGNET | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |
| MAGNET | POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P) | RP0102 M3567 |
| MAGNET | POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 9/21/64, 3P) | SPEC. M369 |
| MAGNET | PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331) | AA0114 M3047 |
| MAGNET | PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P) | AA0114 M3113 |
| MAGNET | PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P) | AC0501 M3154 |
| MAGNET | PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P) | BE1301 M3758 |
| MAGNET | PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P) | BE0906 M3022 |
| MAGNET | PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P) | SPEC. M367A |
| MAGNET | Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 1/24/63, R4/18/63, 4P) | SPEC. M344A |
| MAGNET | RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P) | BE0802 M3640 |
| MAGNET | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| MAGNET | REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P) | AC0505 M3326 |
| MAGNET | RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P) | AA0114 M3571 |

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| MAGNET | RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P) | AC0500 M3238 |
| MAGNET | STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332) | BE0906 M3057 |
| MAGNET | STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P) | BE0705 M3329 |
| MAGNET | SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER. P HERNANDEZ. 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P) | AC0303 M3390C |
| MAGNET | TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P) | AC0303 M3676 |
| MAGNET | TEMPERATURE-DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 9/8/64 R1/25/65, 17P.) | RC0102 M3411A |
| MAGNET | THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P) | AC0303 M3715 |
| MAGNET | TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P) | AC0505 M3211 |
| MAGNET | TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 5/27/65, 1P) | SPEC M379 |
| MAGNET | UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P) | SPEC. M371 |
| MAGNET | USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P) | AA0114 M3543 |
| MAGNET | VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P) | SPEC. M358 |
| MAGNET | VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P) | SPEC. M360A |
| MAGNET | VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P) | AC0502 M3170 |
| MAGNET | VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P) | BE0708 M3102 |
| MAGNET | VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P) | AA0114 M3079 |
| MAGNET | 12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P) | BE0705 M3483 |
| MAGNET | 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P) | SPEC M390A |

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| MAGNET | 12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744) | BE0705 M3667A |
| MAGNET | 12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P) | SPEC. M346 |
| MAGNET | 12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P) | BE0705 M3700 |
| MAGNET | 16 X 36 C MAGNET (184-INCH CYCLOTRON. D ROTHFUSS. 12/13/65 R4/18/66, 5P) | SPEC M392A |
| MAGNET | 18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129) | BE0705 M3275 |
| MAGNET | 18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 5/15/63, 7P) | SPEC. M353 |
| MAGNET | 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P) | BE0705 M3198 |
| MAGNET | 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P) | CA0101 M3554 |
| MAGNET | 25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II) | CODE HE0102 |
| MAGNET | 72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II) | CODE HD0103 |
| MAGNET | 8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P) | BE0705 M3486 |
| MAGNET | 8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P) | SPEC. M348B |
| MAGNET | 8-INCH-GAP MAGNET (BEVATRON EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 7/8/64, 4P) | SPEC. M368 |
| MAGNET | 8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438) | BE0706 M3349 |
| MAGNET | 88-IN CYCLOTRON, MECHANICAL, MAGNET (SEE THIS CODE IN SECTION II) | CODE CB0101 |
| MAGNET | 88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II) | CODE CB0103 |
| MAGNET-ENCLOSURE | COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P) | AC0300 M3258 |

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| MAGNET-SYSTEM | TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P) | AC1120 M3687 |
| MAGNETIC | A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983) | CB0101 M3122 |
| MAGNETIC | BEARING TESTS FOR APPLICATION IN VACUUM OF 1X10*-6 TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784) | BE0702 M3732 |
| MAGNETIC | CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P) | AC0303 M3532 |
| MAGNETIC | EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P) | AC0303 M3358 |
| MAGNETIC | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| MAGNETIC | MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P) | BE0907 M3010 |
| MAGNETIC | NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P) | SPEC. M352 |
| MAGNETIC | POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P) | RP0102 M3567 |
| MAGNETIC | TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P) | BE0806 M3193 |
| MAGNETIC | THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P) | AA0114 M3219 |
| MAGNETIC | VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P) | BE0708 M3024 |
| MAGNETITE | MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P) | SPEC. M15C |
| MAGNETO-OPTICAL | BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II) | CODE RC0501 |
| MAGNETO-OPTICAL | INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P) | BE0705 M3422 |
| MAGNETO-OPTICS | STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P) | BE0705 M3329 |

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| MAGNETO-STRICTION | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| MAGNETS | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0303 |
| MAGNETS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0500 |
| MAGNETS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II) | CODE AC0501 |
| MAGNETS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0502 |
| MAGNETS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0505 |
| MAGNETS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0505 |
| MAGNETS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0508 |
| MAGNETS | ADVANCD-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC1001 |
| MAGNETS | BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405) | CB0201 M3370 |
| MAGNETS | BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P) | CB0201 M3438 |
| MAGNETS | BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P) | AC1001 M3451 |
| MAGNETS | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II) | CODE BE0705 |
| MAGNETS | BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0804 |
| MAGNETS | COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P) | AC0500 M3095 |
| MAGNETS | COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P) | AB0103 M3018 |
| MAGNETS | COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON. M GREEN. 7/1/65, 38P) | AC0301 M3591 |
| MAGNETS | CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P) | AC0505 M3254 |

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| MAGNETS | DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P) | BE0905 M3043 |
| MAGNETS | FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881) | AA0114 M3026 |
| MAGNETS | GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P) | AC0303 M3649 |
| MAGNETS | GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P) | SPEC. M374 |
| MAGNETS | KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P) | CA0200 M3474 |
| MAGNETS | LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P) | BE0905 M3214 |
| MAGNETS | LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341) | AA0114 M3383A |
| MAGNETS | LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P) | BE0701 M3048 |
| MAGNETS | MAGNETS, SOLENOIDS, COILS (SEE THIS CODE IN SECTION II) | CODE AA0114 |
| MAGNETS | METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P) | BE0907 M3131 |
| MAGNETS | MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P) | SPEC M386C |
| MAGNETS | NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P) | SPEC. M365 |
| MAGNETS | POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P) | AC1120 M3541 |
| MAGNETS | PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P) | AC0409 M3244 |
| MAGNETS | PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P) | AC0500 M3181 |

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| MAGNETS | PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P) | AC0500 M3248 |
| MAGNETS | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421) | AA0901 M3444 |
| MAGNETS | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417) | AA0901 M3440 |
| MAGNETS | PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P) | AC1120 M3682 |
| MAGNETS | QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P) | BE0705 M3480 |
| MAGNETS | REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P) | AC0305 M3295 |
| MAGNETS | SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P) | RA0200 M3558 |
| MAGNETS | SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P) | AC0404 M3522 |
| MAGNETS | TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P) | AC0250 M3710 |
| MAGNETS | TARGET MAGNETS, DYNAMIC CHARACTERISTICS (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 2P) | AC1120 M3665 |
| MAGNETS | TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P) | AC1120 M3664 |
| MAGNETS | THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P) | AA0114 M3219 |
| MAGNETS | 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P) | BE0705 M3220A |
| MAGNETS | 12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P) | SPEC M378 |

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| MAGNETS | 184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS (SEE THIS CODE IN SECTION II) | CODE CA0303 |
| MAGNETS | 8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P) | BE0705 M3061 |
| MAGNETS | 88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II) | CODE CB0201 |
| MAIN-RING | ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0503 |
| MAIN-RING | AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P) | AC0800 M3519 |
| MAINTENANCE | COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P) | BE0905 M3108 |
| MAINTENANCE | HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II) | CODE LA0101 |
| MAINTENANCE | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |
| MAINTENANCE | MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P) | BE0802 M3020 |
| MAINTENANCE | TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II) | CODE AT0101 |
| MAINTENANCE | 184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II) | CODE CA0101 |
| MANIFOLD | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| MANIPULATION | ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P) | RC0103 M3153 |
| MANIPULATOR | SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P) | AC1300 M3535A |
| MANIPULATOR | SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740) | AC1300 M3662 |
| MANUAL | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |

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| MAPPING | FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P) | AA0114 M3570 |
| MATERIAL | CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 6/12/65, 13P) | RC0102 M3582 |
| MATERIAL | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| MATERIAL | MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363) | AC0801 M3292A |
| MATERIAL | STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P) | AA0118 M3431 |
| MATERIALS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0502 |
| MATERIALS | ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0503 |
| MATERIALS | BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P) | AA0300 M3628 |
| MATERIALS | COMPARATIVE STUDY OF VACUUM-CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P) | AC0801 M3227 |
| MATERIALS | COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P) | AC0701 M3654 |
| MATERIALS | COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/4/65, 12P) | AC1110 M3577 |
| MATERIALS | COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS, PART 2 (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/22/65, 6P) | AC1110 M3585 |
| MATERIALS | CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P) | RA0202 M3657 |
| MATERIALS | INORGANIC MATERIALS RESEARCH (SEE THIS CODE IN SECTION II) | CODE RA0200 |
| MATERIALS | INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0201 |

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| MATERIALS | INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0202 |
| MATERIALS | INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II) | CODE RA0203 |
| MATERIALS | INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II) | CODE RA0203 |
| MATERIALS | INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II) | CODE RA0204 |
| MATERIALS | PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0107 |
| MATERIALS | PROPERTIES OF MISCELLANEOUS MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0109 |
| MATERIALS | PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0106 |
| MATERIALS | VACUUM PRACTICES , EQUIPMENT, MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0112 |
| MATERIALS | VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/30/65, 12P) | AC0305 M3530 |
| MATHEMATICAL | MATHEMATICAL SUPPORT (SEE THIS CODE IN SECTION II) | CODE AA0126 |
| MATHEMATICAL | REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P) | AA0126 M3078 |
| MATHEMATICS | MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. (SEE THIS CODE IN SECTION II) | CODE AA0123 |
| MATRICES | LEAST-SQUARES TECHNIQUE USING MATRICES (R SCHWARZ. 7/29/63, 5P) | AA0123 M3109 |
| MATRICES | POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P) | AA0123 M3117A |
| MCLEOD | THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343) | AA0112 M3364A |
| MEASUREMENT | MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P) | BE1805 M3372 |
| MEASUREMENT | MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273) | AA0112 M3342 |
| MEASUREMENT | MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P) | AA0106 M3357A |
| MEASUREMENTS | TANK LEVEL AND END DEFLECTION MEASUREMENTS ( HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P) | LA0103 M3549 |

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| MEASURING | ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P) | AA0501 M3426 |
| MEASURING | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| MEASURING | MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P) | AC0406 M3579 |
| MEASURING | MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P) | AA0501 M3482 |
| MEASURING | WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P) | CB0125 M3213 |
| MEASURING-PROJECTOR | MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P) | RP0103 M3405 |
| MEASURING-PROJECTOR | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |
| MECHANICAL | BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383) | CB0100 M3428 |
| MECHANICAL | COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P) | AC1001 M3561 |
| MECHANICAL | COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P) | AC0200 M3506 |
| MECHANICAL | DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P) | AA0102 M3332 |
| MECHANICAL | EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P) | AC1100 M3247 |
| MECHANICAL | INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P) | AC0300 M3246 |
| MECHANICAL | MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P) | AA0501 M3482 |

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| MECHANICAL | MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584) | AC0300 M3568 |
| MECHANICAL | MECHANICAL ENGINEERING, GENERAL (SEE THIS CODE IN SECTION II) | CODE AA0100 |
| MECHANICAL | MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P) | AC0101 M3216 |
| MECHANICAL | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| MECHANICAL | MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRSING. 3/3/64, 7P) | RA0200 M3274 |
| MECHANICAL | MECHANICAL TECHNICIANS, GENERAL (SEE THIS CODE IN SECTION II) | CODE AA0500 |
| MECHANICAL | MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P) | RA0200 M3318 |
| MECHANICAL | MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRSING. 9/4/64, 3P) | RA0200 M3404 |
| MECHANICAL | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P) | AA0112 M3507 |
| MECHANICAL | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P) | AA0112 M3478 |
| MECHANICAL | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P) | AA0112 M3509 |
| MECHANICAL | PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636) | AB0105 M3608 |
| MECHANICAL | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| MECHANICAL | RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451) | AC0304 M3331A |
| MECHANICAL | RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451) | AC0304 M3331A |

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| MECHANICAL | RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452) | AC0304 M3339A |
| MECHANICAL | RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450) | AC0304 M3322B |
| MECHANICAL | SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P) | BE0601 M3467 |
| MECHANICAL | TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P) | AA0101 M3045 |
| MECHANICAL | UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783) | BE0702 M3731 |
| MECHANICAL | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| MECHANICAL | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| MECHANICAL | 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P) | LA0105 M3064 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL (SEE THIS CODE IN SECTION II) | CODE CB0100 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, MAGNET (SEE THIS CODE IN SECTION II) | CODE CB0101 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II) | CODE CB0103 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, DEE (SEE THIS CODE IN SECTION II) | CODE CB0112 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE CB0120 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II) | CODE CB0121 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, DEFLECTOR (SEE THIS CODE IN SECTION II) | CODE CB0125 |
| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, ION-SOURCE (SEE THIS CODE IN SECTION II) | CODE CB0130 |

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| MECHANICAL | 88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II) | CODE CB0140 |
| MECHANICS | MECHANICS (SEE THIS CODE IN SECTION II) | CODE 0129 |
| MECHANISM | ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P) | RC0103 M3153 |
| MECHANISM | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| MECHANISM | WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P) | AC1300 M3626 |
| MECHANISMS | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| MECHANISMS | DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514) | AC0405 M3552A |
| MEDICAL | BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II) | CODE RB0101 |
| MEDICINE | BIOLOGY AND MEDICINE RESEARCH (SEE THIS CODE IN SECTION II) | CODE RB0100 |
| MEDICINE | BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II) | CODE RB0101 |
| MEDICINE | BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II) | CODE RB0104 |
| MEDICINE | BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II) | CODE RB0108 |
| MEETING | AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P ) | AA0102 M3288 |
| MEETING | BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P) | AA0102 M3174 |
| MEETING | ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P) | AA0300 M3268 |
| MEETING | MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P) | AA0102 M3589 |
| MEETING | MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P) | AC0800 M3299 |
| MEETING | MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P) | AA0102 M3184 |

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| MEETING | REPORTS, TRIP, MEETING, CONFERENCE (SEE THIS CODE IN SECTION II) | CODE AA0102 |
| MEMBRANE | VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P) | AT0102 M3187 |
| MERCURY | MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412) | RP0103 M3445 |
| MERCURY-VAPOR | HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P) | AA0300 M3622 |
| MESIC | MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420) | RP0104 M3443 |
| MESON | MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P) | CA0100 M3724 |
| METAL | EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 7P) | AC0305 M3527 |
| METAL | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| METAL | THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O'CONNELL. 5/3/63, 2P) | AA0503 M3107 |
| METALLURGY | INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II) | CODE RA0204 |
| METALS | AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P ) | AA0102 M3288 |
| METALS | PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408) | AA0121 M3437 |
| METCO-110 | APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P) | SPEC. M373 |
| METER | OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P) | BE0905 M3124 |
| METHANE | OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P) | BE0709 M3469 |
| METHANE | 2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P) | BE0709 M3151A |
| METHYL-METHACRYLATE | METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/30/66, 4P) | HD0202 M3774 |

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| MG-SET | MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P) | BE0902 M3494 |
| MG-SET | REDUCTION OF VIBRATION CAUSED BY MG-SET (BEVATRON INJECTOR-II ION GUN HIGH-VOLTAGE TERMINAL. W EATON. 4/12/63, 3P) | BE0903 M3028 |
| MICROFILM | MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P) | SPEC M383 |
| MICROFILM | MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P) | AA0102 M3184 |
| MICROFILM | NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P) | AA0102 M3768 |
| MICROFILM | NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P) | AA0102 M3768 |
| MICROFILM-SYSTEM | PROPOSAL FOR MICROFILM-SYSTEM (MECHANICAL ENGINEERING DEPARTMENT, DRAFTING ROOM PRACTICES AND PROCEDURES. P BEAN. 6/15/65, 16P UCID 2631) | AA0125 M3605 |
| MICROFILMING | MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P) | AA0102 M3184 |
| MICROFORUM | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| MICROFORUM | TECHNICAL INFORMATION-SYSTEM AND CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P) | AA0102 M3253 |
| MICROSCOPE | FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P) | RA0202 M3673 |
| MICROSCOPE | LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P) | RA0202 M3658 |
| MICROSCOPE | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P) | AA0300 M3620 |
| MICROSCOPE | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P) | AA0300 M3671 |

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| MINNESOTA-MINING-CO | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| MINUTES | MINUTES OF HYDROGEN SAFETY COMMITTEE (SEE THIS CODE IN SECTION II) | CODE AA0300 |
| MIRROR | MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P) | BE0701 M3734 |
| MIRROR | MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419) | AA0901 M3442 |
| MIRROR | PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422) | AA0901 M3447A |
| MIRROR-TYPE | A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P) | AC0406 M3531 |
| MIRRORS | IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P) | HD0103 M3696 |
| MIXING | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |
| MODEL | COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P) | RB0108 M3129 |
| MODEL | LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN, 12/21/65, 21P) | RA0202 M3658 |
| MODEL | MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P) | SPEC M386C |
| MODEL | MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732) | AC0502 M3650 |
| MODEL | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |

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| MODEL | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| MODEL | RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P) | MN0201 M3674 |
| MODELING | MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P) | RC0101 M3096 |
| MODULUS | HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P) | AA0106 M3764 |
| MOLECULAR | MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P) | RA0200 M3318 |
| MOLECULAR | MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRSING. 9/4/64, 3P) | RA0200 M3404 |
| MOLECULAR | MOLECULAR BEAM REACTION-CHAMBER , REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRSING. 11/11/65, 3P) | RA0200 M3629 |
| MOLECULAR | MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P) | RC0107 M3711 |
| MOLECULAR | MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334) | AA0112 M3148 |
| MOMENTS | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| MONEY | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| MONITORING | AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P) | AC0508 M3237 |
| MONITORING | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| MOTION | TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P) | AC0404 M3360 |

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| MOTOR | WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P) | AC1300 M3626 |
| MOTOR-GENERATOR | MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P) | BE0706 M3080 |
| MOTOR-GENERATOR-SET | MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P) | BE1401 M3362A |
| MOUNTING | A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P) | AA0503 M3105 |
| MOUNTING | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |
| MOUNTING | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| MOUNTING | TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P) | HD0202 M3771 |
| MOUNTS | NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988) | RA0203 M3147 |
| MOYER-HELMHOLZ | PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP (SEE THIS CODE IN SECTION II) | CODE RP0101 |
| MU-METAL | HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P) | SPEC. M370 |
| MULTI-ORIFICE | MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411) | BE0905 M3346A |
| MULTIPULSING | BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157) | HE0106 M3290 |
| MUON | MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P) | CA0100 M3724 |
| MYLAR | HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P) | AA0106 M3160 |
| NAME-PLATES | MAGNET NAME-PLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J HART. 2/10/65, 1P) | AA0114 M3502 |

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| NATURAL | DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P) | AA0129 M3194 |
| NATURAL | MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P) | BE1401 M3362A |
| NATURAL | NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P) | AC0404 M3283 |
| NEON | A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P) | AB0101 M3352 |
| NEON | SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P) | BE0709 M3278 |
| NEUTRON | SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P) | AC1200 M3514 |
| NEWTON | CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II) | CODE RC0107 |
| NITROGEN | LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P) | AB0102 M3050 |
| NITROGEN | LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY,CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.) | RC0103 M3749 |
| NITROGEN | OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P) | BE0709 M3004 |
| NITROGEN | REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P) | AA0112 M3636 |
| NITROGEN | 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P) | BE0709 M3356 |
| NOISE | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P) | CB0140 M3610 |
| NOISE | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P) | CB0140 M3618A |
| NON-BURNING | 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P) | LA0102 M3196 |
| NON-DESTRUCTIVE | NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P) | SPEC. M17 |

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| NON-DESTRUCTIVE | NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P) | SPEC. M352 |
| NONLINEARITY | DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P) | BE0905 M3043 |
| NOZZLES | BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II) | CODE BE1805 |
| NUCLEAR | CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE RC0102 |
| NUCLEAR | LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRSING. 10/23/64, 3P) | RC0102 M3435 |
| NUCLEAR | NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988) | RA0203 M3147 |
| NUMBERING-SYSTEM | ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P) | AA0128 M3228B |
| NUMBERING-SYSTEM | SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P) | CA0203 M3325 |
| NUT | ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P) | AA0501 M3426 |
| O-RING | J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P) | AA0117 M3199A |
| O-RING | J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P) | AA0117 M3175A |
| O-RINGS | J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P) | SPEC. M361A |
| OBJECT-SPACE | CAMERA OBJECT-SPACE DIMENSIONS (80-INCH BNL BUBBLE-CHAMBER, STEREO IMAGE CALIBRATION. D NORGREN. 1/6/66, 1P UCID 2742) | HF0101 M3663 |
| ODORLESS | SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P) | AA0300 M3721 |
| OFHC | RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P) | BE0905 M3366 |
| OIL | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |

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| OIL | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| OIL | MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273) | AA0112 M3342 |
| OIL-SEALED | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P) | AA0112 M3478 |
| OIL-SEALED | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P) | AA0112 M3507 |
| OIL-SEALED | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P) | AA0112 M3509 |
| OMNITRON | OMNITRON, SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE MN0201 |
| OPERATING | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P) | BE0702 M3139 |
| OPERATING | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| OPERATING | HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281) | AT0101 M3419 |
| OPERATING | INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P) | BE0705 M3590 |
| OPERATING | OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P) | BE0709 M3004 |
| OPERATING | OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P) | BE0709 M3055 |
| OPERATING | PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P) | LA0101 M3067 |
| OPERATING | SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P) | AC1300 M3535A |
| OPERATING | TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P) | LA0107 M3595 |

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| OPERATING | 1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P) | AT0101 M3251 |
| OPERATING | 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P) | BE0709 M3356 |
| OPERATION | AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P) | AC0508 M3237 |
| OPERATION | BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P) | AA0300 M3209 |
| OPERATION | CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P) | AA0300 M3701 |
| OPERATION | DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P) | CB0125 M3655 |
| OPERATION | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P) | BE0702 M3138 |
| OPERATION | HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II) | CODE LA0101 |
| OPERATION | HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P) | BE0702 M3036 |
| OPERATION | HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P) | BE0709 M3221 |
| OPERATION | LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P) | AA0300 M3638 |
| OPERATION | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |
| OPERATION | OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P) | BE0905 M3124 |
| OPERATION | PROPANE BUBBLE-CHAMBERS, OPERATION (SEE THIS CODE IN SECTION II) | CODE PC0101 |
| OPERATION | TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II) | CODE AT0101 |
| OPERATION | THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343) | AA0112 M3364A |

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| OPERATION | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| OPERATION | 12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P) | BE0705 M3700 |
| OPERATION | 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P) | LA0105 M3065 |
| OPERATION | 184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II) | CODE CA0101 |
| OPERATION | 2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P) | BE0709 M3151A |
| OPERATION | 25-IN HYDROGEN BUBBLE-CHAMBER, OPERATION (SEE THIS CODE IN SECTION II) | CODE HE0106 |
| OPERATION | 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P) | LA0105 M3064 |
| OPERATION | 80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II) | CODE HF0102 |
| OPERATIONS | CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P) | BE0701 M3726A |
| OPERATIONS | HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704) | AA0300 M3630 |
| OPERATIONS | OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P) | BE0709 M3469 |
| OPERATIONS | 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P) | BE0709 M3594 |
| OPERATIONS | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |

OPERATIONS 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P) BE0709 M3694

OPERATIONS 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P) BE0709 M3670

OPERATIONS 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P) BE0709 M3693

OPERATIONS 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P) BE0709 M3592

OPTICAL ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P) AC0406 M3688

OPTICAL ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P) AA0501 M3600

OPTICAL ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORGREN. 6/13/66, 2P) AA0130 M3760

OPTICAL HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347) HE0106 M3386A

OPTICAL IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 9P) HD0202 M3716

OPTICAL MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418) AA0901 M3441

OPTICAL MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P) BE1805 M3372

OPTICAL MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P) AA0501 M3482

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| OPTICAL | MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420) | RP0104 M3443 |
| OPTICAL | OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P) | RC0501 M3152 |
| OPTICAL | OPTICAL INSTRUMENTATION AND TOOLING (SEE THIS CODE IN SECTION II) | CODE AA0501 |
| OPTICAL | OPTICAL PRACTICES AND EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AA0130 |
| OPTICAL | PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P) | HD0202 M3775 |
| OPTICAL-SYSTEM | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P) | RB0101 M3029 |
| OPTICAL-SYSTEM | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P) | RB0101 M3231 |
| OPTICS | HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORGREN. 9/25/63, 1P) | HE0105 M3149 |
| OPTICS | 25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II) | CODE HE0105 |
| OPTICS | 82-INCH BUBBLE-CHAMBER, OPTICS (SEE THIS CODE IN SECTION II) | CODE HD0203 |
| OPTIMIZATION | MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363) | AC0801 M3292A |
| OPTIMIZATION | OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P) | AC0305 M3773 |
| OPTIMIZATION | TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P) | AC1120 M3687 |
| OPTIMIZATION | THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P) | AC0303 M3715 |
| ORGANIC | PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0106 |
| ORGANIC | THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O'CONNELL. 5/3/63, 4P) | AA0503 M3104 |

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| ORIFICE | QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P) | BE0705 M3480 |
| OSCILLATOR | BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II) | CODE BE0503 |
| OUTGASSING | MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P) | AA0106 M3357A |
| OUTGASSING | PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P) | LA0107 M3611 |
| OVER-TEMPERATURE | BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365) | BE0806 M3391 |
| OVERHEAD | OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P) | AC1120 M3652 |
| OVERHEAD | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| OVERHEAD | THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P) | AC1120 M3648 |
| OVERLAPPING | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P) | AC0406 M3603 |
| OVERLAPPING | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P) | AC0406 M3607 |
| OXYGEN | LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P) | AA0300 M3133 |
| OXYGEN-CONTENT | OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P) | BE0905 M3124 |
| PACKAGE | DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P) | AB0402 M3021 |
| PACKAGING | DIAGNOSTIC INSTRUMENT PACKAGING (SEE THIS CODE IN SECTION II) | CODE AB0402 |

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| PAD | DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P) | HE0103 M3101 |
| PANCAKE | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| PARALLEL-PLATE | PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON,. G EDWARDS. 7/17/64, R12/21/64, 3P) | BE0708 M3368A |
| PARAMETER | PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 12/21/64, 17P) | AC0300 M3471 |
| PARAMETER | SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER. P HERNANDEZ. 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P) | AC0303 M3390C |
| PARAMETERS | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II) | CODE AC0501 |
| PARAMETERS | CROSS-SECTION PARAMETERS FOR DEEP BEAMS (8-FT TO 15-FT DEEP, ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W SALSIG. 1/24/64, 7P) | AC0404 M3242 |
| PARAMETERS | LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P) | AC0501 M3257 |
| PARAMETERS | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |
| PARAMETERS | PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P) | AC0301 M3580 |
| PARAMETERS | THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P) | AC1120 M3648 |
| PARAMETERS | THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P) | AC0303 M3715 |
| PARAMETERS | VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/30/65, 12P) | AC0305 M3530 |

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| PARKER | VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890) | AA0117 M3035 |
| PARTICLE | ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P) | RC0106 M3157 |
| PARTICLE | BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P) | AA0102 M3540 |
| PARTICLE | NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P) | SPEC. M352 |
| PARTICLE | PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P) | AA0102 M3539 |
| PARTICLES | BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II) | CODE BE1130 |
| PATIENT | ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P) | RB0104 M3521 |
| PATIENT | PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P) | RB0108 M3301 |
| PATIENT | PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P) | RB0108 M3308B |
| PATTERN | BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P) | BE0906 M3003 |
| PATTERN | FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P) | SPEC. M375 |
| PATTERN | SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P) | SPEC M387 |
| PEDESTAL | 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P) | RB0101 M3725 |
| PENETRATIONS | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |
| PEREZ | PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P) | RP0101 M3454 |

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| PEREZ | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |
| PEREZ | PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3495 |
| PERFORMANCE | CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P) | CB0120 M3740 |
| PERFORMANCE | CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P) | AB0103 M3388 |
| PERFORMANCE | LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P) | BE0801 M3684 |
| PERFORMANCE | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P) | AA0112 M3478 |
| PERFORMANCE | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P) | AA0112 M3507 |
| PERFORMANCE | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P) | AA0112 M3509 |
| PERFORMANCE | PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345) | AA0112 M3389 |
| PERFORMANCE | PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636) | AB0105 M3608 |
| PERFORMANCE | PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P) | CB0120 M3733 |
| PERFORMANCE | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| PERFORMANCE | RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P) | CB0120 M3744A |
| PERFORMANCE | REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P) | AC0305 M3295 |
| PERMATEX | INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403) | CB0121 M3359 |

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| PERMENDUR | VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P) | AC0502 M3170 |
| PERSONNEL | ADVANCD-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II) | CODE AC1200 |
| PERSONNEL | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| PHELPS-DODGE | VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P) | AA0114 M3079 |
| PHENOLIC-CANVAS | HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.) | RC0100 M3748 |
| PHOTOGRAPHIC-IMAGE | IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 9P) | HD0202 M3716 |
| PHYSICS | BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II) | CODE RB0101 |
| PHYSICS | INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0202 |
| PHYSICS | PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P) | CA0202 M3031A |
| PHYSICS | PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P) | CA0202 M3142A |
| PHYSICS | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P) | CA0202 M3222 |
| PHYSICS | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P) | CA0202 M3223 |
| PHYSICS | PHYSICS RESEARCH, ALVAREZ GROUP (SEE THIS CODE IN SECTION II) | CODE RP0103 |
| PHYSICS | PHYSICS RESEARCH, CROWE GROUP (SEE THIS CODE IN SECTION II) | CODE RP0104 |
| PHYSICS | PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP (SEE THIS CODE IN SECTION II) | CODE RP0101 |
| PHYSICS | PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP (SEE THIS CODE IN SECTION II) | CODE RP0102 |
| PHYSICS | SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P) | CA0202 M3125 |
| PHYSICS | 184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II) | CODE CA0202 |

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| PIA | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |
| PILE | LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520) | AC0404 M3557 |
| PILE | LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249) | AC0402 M3398 |
| PILE | PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P) | AC0404 M3500 |
| PILE-SYSTEMS | RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P) | AC0404 M3304 |
| PILES | COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P) | AC0402 M3551A |
| PILES | GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P) | AC0302 M3680 |
| PIN | BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P) | BE0610 M3186 |
| PIPE | A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P) | AC0305 M3455 |
| PIPE | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| PISTON | TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P) | HD0202 M3771 |
| PIT | 88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II) | CODE CB0140 |
| PLACOS | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |

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| PLANES | PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422) | AA0901 M3447A |
| PLANETARY | MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P) | SPEC M383 |
| PLASTIC | ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P) | AA0106 M3741 |
| PLASTIC | CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P) | HD0202 M3717 |
| PLASTIC | CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P) | HD0202 M3720 |
| PLASTIC | HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P) | AA0106 M3764 |
| PLASTIC | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| PLASTIC | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| PLASTIC | MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P) | BE1805 M3372 |
| PLASTIC | PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P) | HD0202 M3775 |
| PLASTIC | RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P) | HD0202 M3757 |
| PLASTIC | SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P) | HD0202 M3713 |
| PLASTIC | TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P) | HD0202 M3771 |
| PLASTICS | INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II) | CODE AB0108 |
| PLASTICS | TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P) | AA0102 M3260 |

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| PLASTICS | 21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P) | AA0102 M3538 |
| PLATE | MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P) | SPEC M401B |
| PLATE | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P) | HD0102 M3410 |
| PLATE | PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P) | RP0104 M3501 |
| PLATE | STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P) | SPEC M395 |
| PLATES | FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P) | RP0101 M3456 |
| PLATES | PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3495 |
| PLATES | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| PLATFORM | BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II) | CODE RB0104 |
| PLATFORM | DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P) | BE0601 M3207 |
| PLATFORM | HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P) | BE0902 M3017 |
| PLOT | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| PLOT | PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P) | RP0104 M3501 |
| PLOTTER | FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P) | AA0123 M3337 |
| PLOTTING | FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P) | AA0123 M3337 |

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| PLUG | HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704) | AA0300 M3630 |
| PLUG | ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P) | AC1200 M3508 |
| PLUNGER | HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P) | BE0702 M3036 |
| PLUNGER | RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450) | AC0304 M3322B |
| PLUNGING | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| PLUNGING | MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P) | BE0802 M3020 |
| POLARITY | EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337) | BE0804 M3327 |
| POLARIZED | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |
| POLARIZED | POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P) | RP0102 M3567 |
| POLE-ANGLE | TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P) | AC0250 M3710 |
| POLE-BASE | BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II) | CODE BE1210 |
| POLE-FACE | GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P) | AC0303 M3470 |
| POLE-PIECE | POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P) | CB0120 M3604 |
| POLE-TIP | BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II) | CODE BE1210 |
| POLE-TIP | LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P) | BE0701 M3048 |
| POLE-TIPS | ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P) | RC0106 M3157 |

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| POLE-TIPS | VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P) | AC0502 M3170 |
| POLICY | DEPARTMENTAL POLICY (SEE THIS CODE IN SECTION II) | CODE AA0200 |
| POLICY | ENGINEERING-NOTE POLICY. (R BURLEIGH, J TURNER. 11/3/65 R12/1/65, 1P) | AA0200 M3623A |
| POLISHING | PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON,. G EDWARDS. 7/17/64, R12/21/64, 3P) | BE0708 M3368A |
| POLYESTER | COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P) | AT0102 M3197 |
| POLYESTER | HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P) | AA0106 M3160 |
| POLYETHYLENE | KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P) | RP0101 M3429 |
| POLYETHYLENE | KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P) | RP0101 M3429 |
| POLYNOMIAL | POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P) | AA0123 M3117A |
| POLYTECHNIC | 1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P) | AA0102 M3588 |
| PONTIAC | PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P) | AA0102 M3539 |
| PORTABILITY | ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P) | RB0104 M3521 |
| POSITION | ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230) | CB0130 M3059 |
| POSITION | MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P) | AC0406 M3579 |
| POSITION | PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P) | AC0404 M3500 |
| POSITIONER | ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P) | RB0104 M3521 |
| POSITIONER | BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II) | CODE RB0104 |

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| POSITIONER | MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P) | HE0102 M3224 |
| POSITIONER | PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P) | RB0108 M3301 |
| POSITIONER | PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P) | RB0108 M3308B |
| POSITIONING | A MINIATURE POSITIONING UNIT FOR STABLE, MULTI-COORDINATE APPLICATIONS (J WILTENS. 7/31/64, 7P) | AA0501 M3403 |
| POSTSTRIPPER | POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P) | LA0105 M3487 |
| POSTSTRIPPER | PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P) | LA0107 M3576 |
| POSTSTRIPPER | PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P) | LA0107 M3611 |
| POTTING | CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P) | LA0102 M3491 |
| POTTING | PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P) | BE0906 M3022 |
| POWER | DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340) | RA0203 M3335 |
| POWER | MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P) | BE0907 M3010 |
| POWER | 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P) | LA0105 M3066 |
| POWER-DISSIPATION | 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P) | LA0105 M3064 |

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| POWER-FAILURE | PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 2/28/66, 2P) | AA0300 M3704 |
| POWER-REQUIREMENTS | POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P) | AC1120 M3541 |
| POWER-SUPPLIES | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II) | CODE BE0706 |
| POWER-SUPPLIES | BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0708 |
| POWER-SUPPLIES | BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0804 |
| POWER-SUPPLIES | INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935) | AA0300 M3085 |
| POWER-SUPPLIES | POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPER. 1/29/64, 2P) | CB0103 M3250 |
| POWER-SUPPLY | BEVATRON, MAGNET POWER-SUPPLY (SEE THIS CODE IN SECTION II) | CODE BE1401 |
| POWER-SUPPLY | POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 9/21/64, 3P) | SPEC. M369 |
| POWER-SUPPLY | TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P) | AC1120 M3664 |
| PRECAST | PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P) | AC0409 M3244 |
| PRECIOUS | PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408) | AA0121 M3437 |
| PRECISION | MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P) | HE0102 M3224 |
| PRECISION | PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422) | AA0901 M3447A |
| PRECISION-SCIENTIFI | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P) | AA0112 M3478 |

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| PRELOAD | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| PRELOAD | PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P) | HD0202 M3775 |
| PRELOADING | TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P) | HD0202 M3771 |
| PRESSURE | BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P) | AA0113 M3011 |
| PRESSURE | CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P) | BE0701 M3702 |
| PRESSURE | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| PRESSURE | ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P) | AC0800 M3134 |
| PRESSURE | ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150) | AC0800 M3281 |
| PRESSURE | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| PRESSURE | HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P) | BE0709 M3221 |
| PRESSURE | PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING. 5/24/65, 4P) | RA0203 M3569 |
| PRESSURE | PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING. 5/24/65, 4P) | RA0203 M3569 |
| PRESSURE | PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P) | AA0300 M3225 |
| PRESSURE | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |

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| PRESSURE | PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3449 |
| PRESSURE | SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P) | AA0300 M3772 |
| PRESSURE | SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II) | CODE AA0117 |
| PRESSURE | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| PRESSURE | VESSELS, VACUUM, PRESSURE (SEE THIS CODE IN SECTION II) | CODE AA0113 |
| PRESSURE-TIME | ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P) | AC0250 M3587 |
| PRESSURE-TIME | ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517) | AC0800 M3510A |
| PRESSURIZATION | SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P) | BE0709 M3278 |
| PRESTRIPPER | ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P) | LA0108 M3613 |
| PRESTRIPPER | HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II) | CODE LA0108 |
| PRESTRIPPER | PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P) | LA0107 M3576 |
| PRESTRIPPER | PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P) | LA0107 M3611 |
| PRESTRIPPER | PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P) | LA0107 M3415 |
| PRESTRIPPER | PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P) | LA0107 M3409 |
| PRESTRIPPER | PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P) | LA0101 M3100 |
| PRINCETON | CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P) | AC0300 M3407 |

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| PRINCETON-PENN | AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P) | AC0303 M3698 |
| PRINT | DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P) | SPEC. M354 |
| PRINT | DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P) | SPEC. M376 |
| PRINTED-CIRCUIT | 25-LINES-PER-INCH PRINTED-CIRCUIT BOARD (A WATANABE. R FULTON. 10/8/65, 1P) | SPEC M388 |
| PROBE | ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P) | RC0103 M3153 |
| PROBE | MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P) | CA0206 M3477B |
| PROBES | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| PROCEDURE | A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P) | AA0503 M3106 |
| PROCEDURE | CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P) | AB0400 M3120A |
| PROCEDURE | DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P) | BE0905 M3400 |
| PROCEDURE | EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P) | CA0200 M3518 |
| PROCEDURE | GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P) | BE0702 M3137 |
| PROCEDURE | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| PROCEDURE | HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281) | AT0101 M3419 |
| PROCEDURE | INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P) | AC0220 M3597 |

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| PROCEDURE | KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P) | CA0200 M3474 |
| PROCEDURE | MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P) | CA0206 M3477B |
| PROCEDURE | MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P) | BE0902 M3494 |
| PROCEDURE | PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON,. G EDWARDS. 7/17/64, R12/21/64, 3P) | BE0708 M3368A |
| PROCEDURE | PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P) | LA0101 M3100 |
| PROCEDURE | PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P) | BE1301 M3758 |
| PROCEDURE | THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P) | AA0112 M3210 |
| PROCEDURE | 1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P) | AT0101 M3251 |
| PROCEDURE | 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P) | BE0709 M3594 |
| PROCEDURE | 2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P) | BE0709 M3151A |
| PROCEDURE | 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P) | BE0709 M3670 |
| PROCEDURE | 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P) | BE0709 M3693 |
| PROCEDURES | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |
| PROCEDURES | ADMINISTRATIVE METHODS AND PROCEDURES (SEE THIS CODE IN SECTION II) | CODE AA0101 |

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| PROCEDURES | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| PROCEDURES | BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P) | AA0300 M3628 |
| PROCEDURES | CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P) | BE0701 M3726A |
| PROCEDURES | DRAFTING-ROOM PRACTICES AND PROCEDURES (SEE THIS CODE IN SECTION II) | CODE AA0125 |
| PROCEDURES | MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P) | BE0802 M3020 |
| PROCEDURES | OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P) | BE0709 M3469 |
| PROCEDURES | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| PROCEDURES | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |
| PROCEDURES | 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P) | BE0709 M3694 |
| PROCEDURES | 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P) | BE0709 M3592 |
| PROCESSING | FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA-ECONOMICS OF OPERATION. D NORGREN. 1/10/66, 2P UCID 2743) | HF0102 M3669 |
| PROCESSOR | FILM PROCESSOR, 35MM (P BEAN. 8/16/65, 2P) | SPEC M384 |
| PROGRAM | MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P) | BE1201 M3286 |

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| PROGRAM | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| PROGRAM | MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732) | AC0502 M3650 |
| PROGRAMMED | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P) | AA0123 M3393 |
| PROGRAMMED | SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P) | AA0123 M3394 |
| PROGRAMMING | MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. (SEE THIS CODE IN SECTION II) | CODE AA0123 |
| PROGRAMS | COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P) | AC0500 M3095 |
| PROGRAMS | CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278) | AA0123 M3347 |
| PROGRESS-REPORT | CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P) | RC0103 M3505 |
| PROGRESS-REPORT | CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P) | RC0103 M3699 |
| PROGRESS-REPORTS | ADVANCD-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II) | CODE AC0101 |
| PROPANE | PROPANE BUBBLE-CHAMBERS, OPERATION (SEE THIS CODE IN SECTION II) | CODE PC0101 |
| PROPERTIES | CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 6/12/65, 13P) | RC0102 M3582 |
| PROPERTIES | INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II) | CODE RA0203 |
| PROPERTIES | MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P) | BE1805 M3372 |
| PROPERTIES | PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0107 |
| PROPERTIES | PROPERTIES OF MISCELLANEOUS MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0109 |
| PROPERTIES | PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0106 |

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| PROPERTIES | PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P) | BE0906 M3022 |
| PROPERTIES | RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451) | AC0304 M3331A |
| PROPOSAL | A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P) | AA0123 M3271 |
| PROPOSAL | ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P) | RB0108 M3323 |
| PROPOSAL | ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) | CA0102 M3625 |
| PROPOSAL | LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P) | RB0100 M3517A |
| PROPOSAL | MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P) | RP0102 M3053 |
| PROPOSAL | POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P) | CB0120 M3604 |
| PROPOSAL | PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P) | AB0105 M3619 |
| PROPOSAL | PROPOSAL FOR MICROFILM-SYSTEM (MECHANICAL ENGINEERING DEPARTMENT, DRAFTING ROOM PRACTICES AND PROCEDURES. P BEAN. 6/15/65, 16P UCID 2631) | AA0125 M3605 |
| PROPOSAL | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417) | AA0901 M3440 |
| PROPOSAL | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421) | AA0901 M3444 |
| PROPOSAL | 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P) | RP0102 M3014 |
| PROPOSALS | FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P) | RB0108 M3307 |

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| PROPOSALS | PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P) | RB0108 M3301 |
| PROPOSALS | PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P) | AA0123 M3088 |
| PROTECTION | ADVANCD-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II) | CODE AC1200 |
| PROTECTION | PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 2/28/66, 2P) | AA0300 M3704 |
| PROTECTION | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| PROTECTIVE | APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P) | SPEC. M373 |
| PROTON | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II) | CODE AC1120 |
| PROTON | BEVATRON, EXTERNAL PROTON BEAM (SEE THIS CODE IN SECTION II) | CODE BE0801 |
| PROTON | BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II) | CODE BE0802 |
| PROTON | BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II) | CODE BE0803 |
| PROTON | BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0804 |
| PROTON | BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II) | CODE BE0805 |
| PROTON | BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II) | CODE BE0806 |
| PROTON | EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P) | AA0300 M3609 |
| PROTON | EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P) | BE0801 M3127B |
| PROTON | METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P) | BE0907 M3131 |

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| PROTON | PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P) | BE0904 M3074 |
| PROTON | TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P) | AC0300 M3647 |
| PULLER | ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P) | CA0102 M3625 |
| PULSE | BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II) | CODE BE1130 |
| PULSE-LINE | PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P) | LA0101 M3067 |
| PULSED | METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/30/66, 4P) | HD0202 M3774 |
| PULSED | POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P) | AC1120 M3541 |
| PULSED | PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P) | SPEC. M367A |
| PULSED | PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P) | AC1120 M3682 |
| PULSED | PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORGREN. 10/12/64, 5P) | SPEC. M372 |
| PULSED | TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P) | AC1120 M3664 |
| PUMP | CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3689 |
| PUMP | FREON PUMP (OMNITRON STUDY, RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P) | SPEC M394 |
| PUMP | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| PUMP | ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183) | RC0103 M3305 |
| PUMP | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P) | AA0112 M3478 |

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| PUMP | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P) | AA0112 M3509 |
| PUMP | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P) | AA0112 M3507 |
| PUMP | PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636) | AB0105 M3608 |
| PUMP | PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P) | CB0120 M3733 |
| PUMP | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| PUMP | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| PUMP | REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P) | AC0305 M3295 |
| PUMP | TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P) | CB0120 M3255 |
| PUMP-SYSTEM | MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273) | AA0112 M3342 |
| PUMPDOWN | ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P) | AC0250 M3587 |
| PUMPDOWN | ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517) | AC0800 M3510A |
| PUMPDOWN | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| PUMPING | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P) | CB0140 M3610 |
| PUMPING | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P) | CB0140 M3618A |

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| PUMPING | POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P) | CB0120 M3604 |
| PUMPING-SPEED | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |
| PUMPING-SPEED | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| PUMPING-SPEED | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| PUMPING-SPEED | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| PUMPING-SPEEDS | CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P) | CB0120 M3740 |
| PUMPING-SYSTEM | PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345) | AA0112 M3389 |
| PUMPING-SYSTEM | VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P) | AA0102 M3158 |
| PUMPING-SYSTEMS | EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128) | AC0800 M3269A |
| PUMPING-SYSTEMS | RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P) | CB0120 M3744A |
| PUMPS | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |
| PUMPS | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| PUMPS | PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P) | AB0105 M3619 |
| PUMPS | VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P) | AC0800 M3412 |

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| PURCHASE | RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P) | AA0101 M3499 |
| PURIFIER | A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P) | AB0101 M3352 |
| QUADRANT | DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P) | BE1130 M3462 |
| QUADRANT | DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P) | BE1130 M3461 |
| QUADRANT | QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P) | BE1130 M3574 |
| QUADRUPOLE | CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS. D ROTHFUSS. 8/30/63, 4P) | SPEC. M359 |
| QUADRUPOLE | CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P) | CA0303 M3081 |
| QUADRUPOLE | CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R MEUSER. 7/21/64, 3P) | AA0114 M3371 |
| QUADRUPOLE | CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P) | LA0102 M3491 |
| QUADRUPOLE | DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P) | BE0905 M3043 |
| QUADRUPOLE | FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P) | CA0303 M3086 |
| QUADRUPOLE | GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P) | AC0303 M3646 |
| QUADRUPOLE | LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P) | BE0701 M3048 |
| QUADRUPOLE | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421) | AA0901 M3444 |
| QUADRUPOLE | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417) | AA0901 M3440 |

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| QUADRUPOLE | STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P) | BE0705 M3329 |
| QUADRUPOLE | TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P) | AC0250 M3710 |
| QUADRUPOLE | 12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P) | SPEC. M346 |
| QUADRUPOLE | 12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P) | SPEC M378 |
| QUADRUPOLE | 8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P) | BE0705 M3061 |
| QUADRUPOLE | 8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P) | SPEC. M348B |
| QUADRUPOLE | 8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438) | BE0706 M3349 |
| QUICK-DISCONNECT | ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITIUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P) | SPEC M397 |
| RADIATION | CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II) | CODE RC0107 |
| RADIATION | CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4) | AA0116 M3743 |
| RADIATION | DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P) | RC0103 M3034 |
| RADIATION | RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P) | RB0101 M3642 |
| RADIATION | RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P) | BE0802 M3640 |
| RADIATION | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| RADIATION-COOLED | SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P) | AC0300 M3614 |

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| RADIATOR | 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P) | AA0300 M3759 |
| RADIO-FREQUENCY | RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P) | BE0905 M3366 |
| RADIOISOTOPE | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P) | RB0101 M3231 |
| RADIOISOTOPE | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P) | RB0101 M3029 |
| RAILS | COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRSING. 10/9/63, 3P) | RA0203 M3161 |
| RAREFIED | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| REACTION-CHAMBER | MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P) | RA0200 M3318 |
| REACTION-CHAMBER | MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRSING. 9/4/64, 3P) | RA0200 M3404 |
| REACTION-CHAMBER | MOLECULAR BEAM REACTION-CHAMBER , REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRSING. 11/11/65, 3P) | RA0200 M3629 |
| REACTIONS | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| REACTOR | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |
| READ-OUT | PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P) | AC0404 M3500 |
| READER | MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P) | RP0103 M3405 |

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| READINGS | LIQUID-LEVEL-SYSTEM, INTERPRETING OUTPUT READINGS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 6/21/65, R6/24/65, 3P) | BE0801 M3583A |
| READOUT | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| READOUT | DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P) | CB0125 M3655 |
| REALIGNMENT | LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P) | BE0701 M3048 |
| REASSESSMENT | PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P) | CA0202 M3031A |
| REASSESSMENT | PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P) | CA0202 M3142A |
| RECIRCULATOR | A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P) | AB0101 M3352 |
| RECOIL-FREE | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| RECORD | NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P) | AA0102 M3768 |
| RECORDING | LIQUID-LEVEL-SYSTEM, DATA RECORDING AND REDUCTION (BEVATRON EXTERNAL PROTON BEAM. S RICE. 1/26/66, 7P) | BE0801 M3678 |
| RECOVERY | FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P) | LA0103 M3334 |
| REDESIGN | REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P) | RC0100 M3660 |
| REFLECTIONS | FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR N = 1.39 (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 3P) | HD0202 M3719 |
| REFLECTIONS | WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORGREN. 3/11/66, 2P) | HD0203 M3707 |
| REFLECTIVE | A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P) | AA0500 M3425 |
| REFLECTOR | CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P) | HD0202 M3720 |

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| REFLECTOR | HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P) | HD0202 M3765 |
| REFLECTOR | PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P) | HD0202 M3775 |
| REFLECTOR | SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P) | HD0202 M3713 |
| REFLECTOR | TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P) | HD0202 M3771 |
| REFLECTORS | COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/26/66 3P.) | HD0202 M3752 |
| REFLECTORS | COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/27/66, 7P.) | HD0202 M3756 |
| REFLECTORS | CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P) | HD0202 M3717 |
| REFLECTORS | METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/30/66, 4P) | HD0202 M3774 |
| REFLECTORS | RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P) | HD0202 M3757 |
| REFLECTORS | SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORGREN, 5/27/66 R 5/31/66) | HD0202 M3742A |
| REFRACTIVE | CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P) | HD0202 M3717 |
| REFRIGERATION | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P) | AA0300 M3620 |
| REFRIGERATION | REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P) | AA0300 M3671 |
| REGENERATIVE | REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379) | CB0125 M3380A |

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| REGENERATOR | DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P) | CB0125 M3655 |
| REGULATING | EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P) | BE0905 M3001A |
| REINFORCEMENT | DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P) | BE0601 M3207 |
| REINFORCEMENT | MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P) | RC0103 M3051A |
| REINFORCING | CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330) | BE0805 M3037 |
| REINFORCING | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| RELAYS | TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P) | BE0806 M3193 |
| RELIABILITY | CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P) | AA0100 M3273 |
| RELUCTANCE | RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P) | AA0114 M3571 |
| REMOVAL | DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P) | BE0905 M3400 |
| REMOVAL | HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704) | AA0300 M3630 |
| REMOVING | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| RENSSELAER | 1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P) | AA0102 M3588 |
| REPAIR | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |

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| REPAIR | 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P) | CA0101 M3554 |
| REPAIRS | HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P) | CB0121 M3285 |
| REPLACEMENT | A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P) | AA0123 M3271 |
| REPLACEMENT | DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P) | BE0905 M3400 |
| REPLACEMENT | FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P) | BE0905 M3351 |
| REPLACEMENT | MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P) | BE0902 M3494 |
| REPLACEMENT | UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P) | SPEC. M371 |
| REPLACEMENT | 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P) | CA0101 M3554 |
| REPLACING | COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRSING. 10/9/63, 3P) | RA0203 M3161 |
| REPLACING | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| REPORT | INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P) | AC0300 M3714A |
| REPORT | REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P) | AA0126 M3078 |
| REPORT-I | MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRSING. 3/3/64, 7P) | RA0200 M3274 |
| REPORTS | REPORTS, TRIP, MEETING, CONFERENCE (SEE THIS CODE IN SECTION II) | CODE AA0102 |
| REPRODUCTION | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |

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| REQUEST | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| REQUESTER | RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P) | AA0101 M3499 |
| RESEARCH | BIO-ORGANIC CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II) | CODE RC0500 |
| RESEARCH | BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II) | CODE RC0501 |
| RESEARCH | BIOLOGY AND MEDICINE RESEARCH (SEE THIS CODE IN SECTION II) | CODE RB0100 |
| RESEARCH | BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II) | CODE RB0101 |
| RESEARCH | BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II) | CODE RB0104 |
| RESEARCH | BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II) | CODE RB0108 |
| RESEARCH | CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II) | CODE RC0100 |
| RESEARCH | CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II) | CODE RC0101 |
| RESEARCH | CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE RC0102 |
| RESEARCH | CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II) | CODE RC0103 |
| RESEARCH | CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II) | CODE RC0106 |
| RESEARCH | CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II) | CODE RC0107 |
| RESEARCH | HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II) | CODE LA0103 |
| RESEARCH | INORGANIC MATERIALS RESEARCH (SEE THIS CODE IN SECTION II) | CODE RA0200 |
| RESEARCH | INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0201 |
| RESEARCH | INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0202 |
| RESEARCH | INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II) | CODE RA0203 |
| RESEARCH | INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II) | CODE RA0204 |

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| RESEARCH | NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P) | AA0102 M3768 |
| RESEARCH | PHYSICS RESEARCH, ALVAREZ GROUP (SEE THIS CODE IN SECTION II) | CODE RP0103 |
| RESEARCH | PHYSICS RESEARCH, CROWE GROUP (SEE THIS CODE IN SECTION II) | CODE RP0104 |
| RESEARCH | PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP (SEE THIS CODE IN SECTION II) | CODE RP0101 |
| RESEARCH | PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP (SEE THIS CODE IN SECTION II) | CODE RP0102 |
| RESERVOIRS | ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3450 |
| RESIN | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| RESIN | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| RESISTIVITY | RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P) | BE0905 M3366 |
| RESISTIVITY | TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372) | BE0708 M3324A |
| RESISTOR | DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P) | LA0102 M3430 |
| RESOLUTION | BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404) | CB0201 M3363 |
| RESONANT | RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P) | RC0102 M3392 |
| RESONANT | RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P) | AC0404 M3304 |
| RESONATOR | RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P) | MN0201 M3674 |
| RESPONSE | RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P) | RA0204 M3099 |

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| RESPONSE | TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P) | AC0404 M3360 |
| RETRIEVAL | DOCUMENT PREPARATION, INDEXING, RETRIEVAL (SEE THIS CODE IN SECTION II) | CODE AA0128 |
| RETRIEVAL | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| REVERE-COPPER | VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P) | AA0114 M3079 |
| REYNOLDS | CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II) | CODE RC0103 |
| RF | A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P) | AC0304 M3365 |
| RF | COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P) | AC0304 M3348 |
| RF | COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P) | AC0304 M3381 |
| RF | POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P) | LA0105 M3487 |
| RF | RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P) | AC0304 M3627 |
| RF | RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P) | AC0304 M3718 |
| RF | RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P) | MN0201 M3674 |
| RF-SYSTEM | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0304 |
| RF-SYSTEM | ADVANCD-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0701 |

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| RF-SYSTEM | OMNITRON, SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE MN0201 |
| RF-SYSTEM | RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451) | AC0304 M3331A |
| RF-SYSTEM | RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452) | AC0304 M3339A |
| RF-SYSTEM | RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450) | AC0304 M3322B |
| RIGIDITY | LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520) | AC0404 M3557 |
| RIGIDITY | OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P) | RC0501 M3152 |
| RING | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II) | CODE AC0402 |
| RING | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II) | CODE AC0404 |
| RING | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II) | CODE AC0405 |
| RING | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II) | CODE AC0406 |
| RING | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0409 |
| RING | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II) | CODE AC0411 |
| RING | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II) | CODE AC0410 |
| RING | ADVANCD-ACCELERATOR, MAIN RING MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0500 |
| RING | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II) | CODE AC0501 |
| RING | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II) | CODE AC0502 |

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| RING | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0505 |
| RING | ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II) | CODE AC0508 |
| RING | ADVANCD-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0701 |
| RING | GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P) | SPEC. M374 |
| RING | MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P) | SPEC M386C |
| RING | RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P) | AC0500 M3238 |
| ROARKS | PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P) | AA0123 M3343 |
| ROCK | COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515) | AC0405 M3553B |
| ROCK | MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P) | AC0302 M3578 |
| ROLLING | ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P) | AC1200 M3534 |
| ROLLING | ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P) | AC1200 M3508 |
| ROLLING-MILL | FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P) | RC0100 M3218 |
| ROOF | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. D CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| ROOF | DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P) | BE0610 M3459 |
| ROOF | QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P) | BE1130 M3574 |

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| ROOF | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| ROOF | STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P) | CA0202 M3555 |
| ROOF | STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P) | CA0202 M3556 |
| ROOF | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P) | BE1130 M3573 |
| ROOF | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P) | BE1130 M3572 |
| ROOM-TEMPERATURE | LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P) | HE0103 M3168A |
| ROTAMETER | MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P) | RC0101 M3096 |
| ROTATION | BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II) | CODE RC0501 |
| ROTATIONAL | MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419) | AA0901 M3442 |
| ROUGHING | CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P) | CB0200 M3185 |
| ROUGHING-SYSTEMS | VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P) | AC0800 M3412 |
| RTV | DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P) | LA0105 M3550 |
| RUBBER | BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P) | SPEC. M18B |
| RUBBER | BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158) | AA0112 M3294 |
| RUBBER | DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P) | LA0105 M3550 |

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| RUBBER | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |
| RUBBERS | INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II) | CODE AB0108 |
| RUPTURE | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 : R4/8/64, 3P) | BE0503 M3276A |
| SADDLE | MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P) | AC0505 M3156 |
| SAFETY | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| SAFETY | ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P) | AA0300 M3268 |
| SAFETY | EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P) | AA0300 M3609 |
| SAFETY | HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P) | PC0101 M3282 |
| SAFETY | MINUTES OF HYDROGEN SAFETY COMMITTEE (SEE THIS CODE IN SECTION II) | CODE AA0300 |
| SAFETY | SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P) | RA0204 M3114 |
| SAFETY | SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 12/1/65, 1P UCID 2712) | AA0300 M3639 |
| SAFETY | SAFETY RECOMMENDATIONS FOR THE EXPERIMENTAL-HALL (ADVANCED ACCELERATOR, LONG PROTON BEAM AREA. P HERNANDEZ. 10/5/65 R11/1/65, 3P UCID 2649) | AC1120 M3612A |
| SAFETY | SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P) | AA0300 M3265 |
| SAFETY | SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P) | AA0300 M3772 |
| SAFETY | 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P) | BE0709 M3728 |

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| SAFETY | 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P) | AA0300 M3759 |
| SAFETY | 80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II) | CODE HF0103 |
| SAFETY-FACTOR | SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P) | CA0202 M3126 |
| SAGITTAL | SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORGREN, 5/27/66 R 5/31/66) | HD0202 M3742A |
| SANDWICH | PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3495 |
| SAPHIRE | THERMAL CONDUCTIVITY OF SAPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P) | AA0107 M3738A |
| SATURATION | BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405) | CB0201 M3370 |
| SCALER | MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P) | SPEC M401B |
| SCANNER | RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P) | RB0101 M3642 |
| SCANNER | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P) | RB0101 M3029 |
| SCANNER | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P) | RB0101 M3231 |
| SCANNER | WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P) | RB0101 M3413 |
| SCANNING | BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P) | BE0907 M3005 |
| SCANNING | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |
| SCANNING-SYSTEM | SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P) | SPEC M387 |

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| SCHEDULE | DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P) | CB0125 M3565 |
| SCINTILLATION | ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P) | RB0101 M3637 |
| SCINTILLATION | 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P) | RB0101 M3725 |
| SCREENS | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| SCREWS | A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362) | AA0501 M3408 |
| SEAL | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| SEAL | HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.) | RC0100 M3748 |
| SEAL | HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P) | CB0121 M3285 |
| SEAL | INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403) | CB0121 M3359 |
| SEALING | A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P) | AC0305 M3455 |
| SEALING | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |
| SEALING-COMPOUND | INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403) | CB0121 M3359 |
| SEALS | J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P) | AA0117 M3199A |
| SEALS | J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P) | AA0117 M3175A |
| SEALS | POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P) | CB0120 M3604 |
| SEALS | SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II) | CODE AA0117 |

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| SEARCH-COIL | MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P) | HE0102 M3224 |
| SEGRE-CHAMBERLAIN | PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP (SEE THIS CODE IN SECTION II) | CODE RP0102 |
| SEISMIC | SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803) | AA0116 M3753 |
| SELF-EXTINGUISHING | MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P) | AA0106 M3357A |
| SEMICONDUCTOR | REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P) | RC0100 M3660 |
| SEMICONDUCTOR | SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P) | RC0100 M3679 |
| SEMICONDUCTOR | SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3690 |
| SEMINAR | CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346) | AA0102 M3384 |
| SEMINAR | TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790) | AA0102 M3735 |
| SEMINAR | UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P) | AA0102 M3205A |
| SEMINAR | VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202) | AA0102 M3310 |
| SEMINAR | VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P) | AA0102 M3548 |
| SEPARATOR | CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P) | RC0103 M3505 |
| SEPARATOR | CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P) | RC0103 M3699 |
| SEPARATOR | CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II) | CODE RC0103 |
| SEPARATOR | ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P) | RC0103 M3007 |
| SEPTUM | SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P) | AC0300 M3614 |
| SEPTUM | WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P) | CB0125 M3213 |

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| SERVICE | BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158) | AA0112 M3294 |
| SERVICE | HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335) | AA0112 M3162 |
| SERVICE | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| SERVICE | MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P) | RC0101 M3096 |
| SERVICING | HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P) | BE0902 M3017 |
| SEXTUPOLE | 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P) | SPEC M390A |
| SEXTUPOLE | 12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744) | BE0705 M3667A |
| SHAFT | BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P) | BE0907 M3005 |
| SHAFTS | STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P) | BE0702 M3754 |
| SHAPING | A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983) | CB0101 M3122 |
| SHEAR | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| SHEARSTIFF | LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520) | AC0404 M3557 |
| SHEET | J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P) | SPEC. M361A |
| SHEET | TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P) | CB0112 M3303 |

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| SHEETS | KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P) | RP0101 M3429 |
| SHEETS | PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P) | RP0101 M3454 |
| SHELL | PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P) | AC0409 M3244 |
| SHELL | 4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P) | LA0105 M3069 |
| SHIELD | DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P) | RC0103 M3034 |
| SHIELDED | SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P) | AC1300 M3535A |
| SHIELDED | SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740) | AC1300 M3662 |
| SHIELDING | ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P) | AA0116 M3511 |
| SHIELDING | ADVANCD-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II) | CODE AC1200 |
| SHIELDING | ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P) | AC1200 M3534 |
| SHIELDING | BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II) | CODE BE0805 |
| SHIELDING | BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II) | CODE BE1130 |
| SHIELDING | CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330) | BE0805 M3037 |
| SHIELDING | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |

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| SHIELDING | CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P) | AC0411 M3279 |
| SHIELDING | COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P) | AC0701 M3654 |
| SHIELDING | COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS, PART 2 (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/22/65, 6P) | AC1110 M3585 |
| SHIELDING | COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/4/65, 12P) | AC1110 M3577 |
| SHIELDING | CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4) | AA0116 M3743 |
| SHIELDING | CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P) | BE1130 M3073 |
| SHIELDING | DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P) | BE1130 M3766 |
| SHIELDING | DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P) | BE1130 M3461 |
| SHIELDING | DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P) | BE1130 M3462 |
| SHIELDING | DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P) | BE1130 M3460 |
| SHIELDING | ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P) | AC0302 M3668 |
| SHIELDING | HEAVY-ION ACCELERATOR, GENERAL, SHIELDING (SEE THIS CODE IN SECTION II) | CODE LA0106 |
| SHIELDING | HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P) | SPEC. M16C |

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| SHIELDING | HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P) | BE1130 M3076 |
| SHIELDING | MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P) | AC0500 M3536 |
| SHIELDING | MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P) | SPEC. M15C |
| SHIELDING | MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P) | CA0101 M3019 |
| SHIELDING | MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P) | LA0105 M3070 |
| SHIELDING | PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P) | CA0202 M3031A |
| SHIELDING | PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P) | CA0202 M3142A |
| SHIELDING | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P) | CA0202 M3222 |
| SHIELDING | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P) | CA0202 M3222 |
| SHIELDING | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P) | CA0202 M3223 |
| SHIELDING | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P) | CA0202 M3223 |
| SHIELDING | QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P) | BE1130 M3574 |
| SHIELDING | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| SHIELDING | ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P) | AC1200 M3508 |
| SHIELDING | SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803) | AA0116 M3753 |
| SHIELDING | SHIELDING (SEE THIS CODE IN SECTION II) | CODE AA0116 |
| SHIELDING | SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497) | AC0300 M3537 |

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| SHIELDING | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| SHIELDING | SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P) | CA0202 M3125 |
| SHIELDING | SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P) | CA0203 M3325 |
| SHIELDING | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P) | AC1200 M3601 |
| SHIELDING | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| SHIELDING | SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P) | AC1200 M3514 |
| SHIELDING | SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P) | LA0106 M3375 |
| SHIELDING | SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P) | LA0106 M3376 |
| SHIELDING | SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P) | LA0106 M3378 |
| SHIELDING | SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478) | BE1130 M3504 |
| SHIELDING | SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P) | BE1130 M3077 |
| SHIELDING | SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P) | AC1120 M3563 |
| SHIELDING | STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P) | CA0203 M3245 |
| SHIELDING | STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P) | CA0202 M3555 |
| SHIELDING | STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P) | CA0202 M3556 |
| SHIELDING | STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P) | LA0105 M3128 |
| SHIELDING | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |

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| SHIELDING | SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P) | BE1130 M3075 |
| SHIELDING | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P) | BE1130 M3573 |
| SHIELDING | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P) | BE1130 M3572 |
| SHIELDING | TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P) | AC0300 M3647 |
| SHIELDING | USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P) | CA0202 M3146 |
| SHIELDING | 100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994) | LA0105 M3150 |
| SHIELDING | 184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II) | CODE CA0202 |
| SHIELDING | 184-IN CYCLOTRON, IMPROVEMENTS, SHIELDING (SEE THIS CODE IN SECTION II) | CODE CA0203 |
| SHIELDING | 300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P) | CA0101 M3032 |
| SHIELDS | HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P) | SPEC. M370 |
| SHIM | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| SHOCK-ABSORBER | EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P) | BE0905 M3001A |
| SHOP | DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P) | CB0125 M3565 |
| SHOP | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |
| SHOPS | RELATIONS WITH SHOPS (DEPARTMENT POLICY. R BURLEIGH. 2/3/66, 1P) | AA0200 M3683 |
| SHRINKAGE | YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P) | AC0404 M3321 |

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| SHUNTS | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II) | CODE BE0706 |
| SIGNAL-TO-NOISE | IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 9P) | HD0202 M3716 |
| SILICONE | DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P) | LA0105 M3550 |
| SIMULATION | DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073) | AA0123 M3234 |
| SITES | FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067) | AC0409 M3226 |
| SLAB | CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330) | BE0805 M3037 |
| SLAC | WORK FOR SLAC (SEE THIS CODE IN SECTION II) | CODE AA0901 |
| SLIDING | BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P) | LA0102 M3330 |
| SLIDING | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| SLITS | BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P) | BE0907 M3005 |
| SLITS | INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P) | BE0907 M3420B |
| SLOPE | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| SLUMPING | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| SOCIETY | AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P ) | AA0102 M3288 |
| SOCIETY | AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P) | AA0102 M3172 |
| SOCIETY | BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P) | AA0102 M3174 |

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| SOCIETY | DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P) | AA0102 M3332 |
| SOCIETY | MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P) | AA0102 M3589 |
| SOCIETY | NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRSING. 11/2/64 4P) | AA0102 M3446 |
| SOCIETY | TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P) | AA0102 M3260 |
| SOCIETY | 21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P) | AA0102 M3538 |
| SODIUM-SILICATE | A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P) | AA0500 M3425 |
| SOILS | COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P) | AC0402 M3551A |
| SOLDERING | MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P) | HE0102 M3233 |
| SOLDERING | MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412) | RP0103 M3445 |
| SOLDERING | WELDING, BRAZING , SOLDERING (SEE THIS CODE IN SECTION II) | CODE AA0121 |
| SOLENOID | BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P) | LA0102 M3424A |
| SOLENOID | CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P) | AA0114 M3387 |
| SOLENOID | SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P) | BE0904 M3645A |
| SOLENOID | SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443) | RC0102 M3473 |
| SOLENOID | SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444) | RC0102 M3476 |
| SOLENOID | SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446) | RC0102 M3479 |

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| SOLENOIDS | IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P) | AA0114 M3195 |
| SOLENOIDS | MAGNETS, SOLENOIDS, COILS (SEE THIS CODE IN SECTION II) | CODE AA0114 |
| SOLID-STATE | INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II) | CODE RA0202 |
| SOLVENT | HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P) | AA0106 M3160 |
| SOLVING | CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346) | AA0102 M3384 |
| SOLVING | WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P) | AA0123 M3009 |
| SORPTION | VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P) | AC0800 M3412 |
| SOURCE | COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/26/66 3P.) | HD0202 M3752 |
| SOURCE | COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/27/66, 7P.) | HD0202 M3756 |
| SPARK-CHAMBER | A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P) | AB0101 M3352 |
| SPARK-CHAMBER | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| SPARK-CHAMBER | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |
| SPARK-CHAMBER | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| SPARK-CHAMBER | INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935) | AA0300 M3085 |
| SPARK-CHAMBER | KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P) | RP0101 M3429 |
| SPARK-CHAMBER | PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P) | RP0101 M3454 |
| SPARK-CHAMBER | PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3493 |

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| SPARK-CHAMBER | PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P) | RP0101 M3495 |
| SPARK-CHAMBER | PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P) | RP0104 M3501 |
| SPARK-CHAMBER | SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P) | RA0204 M3114 |
| SPARK-CHAMBER | SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P) | SPEC M387 |
| SPARK-CHAMBER | SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P) | BE0709 M3278 |
| SPARK-GAP | SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P) | AA0300 M3772 |
| SPECIFICATION | ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P) | AA0128 M3228B |
| SPECIFICATIONS | SPECIFICATIONS (SEE THIS CODE IN SECTION II) | CODE 1 |
| SPECIFICATIONS | SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P) | AA0300 M3721 |
| SPECTRAL | ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P) | AA0106 M3741 |
| SPECTRAL | SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P) | HD0202 M3713 |
| SPECTROGRAPH-II | ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P) | RC0106 M3157 |
| SPECTROMETER | BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P) | LA0102 M3424A |
| SPECTROMETER | FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P) | RC0101 M3063 |
| SPECTROMETER | IMPROVED TEMPERATURE-REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P) | RC0101 M3119 |

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| SPECTROMETER | MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420) | RP0104 M3443 |
| SPECTROMETER | VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P) | BE0708 M3024 |
| SPECTROMETER | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| SPECTROMETERS | BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0708 |
| SPECTROMETERS | PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON,. G EDWARDS. 7/17/64, R12/21/64, 3P) | BE0708 M3368A |
| SPECTROMETERS | VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P) | SPEC. M3518 |
| SPECTROMETERS | VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P) | BE0708 M3102 |
| SPECTROSCOPY | CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II) | CODE RC0101 |
| SPIRAL | MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P) | RP0103 M3405 |
| SPREADER-BAR | SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P) | BE1130 M3040 |
| SPUTTER-ION | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |
| SPUTTER-ION | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| SPUTTER-ION | PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P) | AB0105 M3619 |
| SPUTTER-ION | VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P) | AC0800 M3412 |
| STABILITY | EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P) | LA0105 M3328 |
| STABILITY | SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803) | AA0116 M3753 |

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| STABILITY | STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P) | RC0103 M3008 |
| STABILITY | 184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P) | RB0108 M3297 |
| STAGES | ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P) | AA0501 M3426 |
| STAINLESS | ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.) | RC0100 M3750 |
| STAINLESS | MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P) | HD0201 M3666A |
| STAINLESS | STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P) | SPEC M395 |
| STAINLESS-STEEL | DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P) | BE1210 M3042 |
| STAINLESS-STEEL | STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206) | RC0103 M3309 |
| STAINLESS-STEEL | STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P) | AT0102 M3111 |
| STAINLESS-STEEL | 82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P) | SPEC M391A |
| STANCHION | DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P) | BE1210 M3042 |
| STANDARDIZATION | WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P) | AB0105 M3369 |
| STANDARDIZATION | WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P) | AB0105 M3385 |
| STANDARDS | ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORGREN. 6/13/66, 2P) | AA0130 M3760 |
| STANDARDS | MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273) | AA0112 M3342 |

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| STANDARDS | MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P) | AA0102 M3589 |
| STANDS | BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II) | CODE BE0705 |
| STANDS | COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P) | AA0103 M3492 |
| STANDS | INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P) | BE0705 M3590 |
| STANDS | LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P) | BE0905 M3116 |
| STANFORD | JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P) | AA0102 M3361 |
| STANFORD | VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P) | AA0102 M3173 |
| STATIC | TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORGREN. 1/14/66, 5P UCID 2746) | HF0103 M3675 |
| STAY-TIMES | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| STEEL | BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P) | LA0102 M3330 |
| STEEL | BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P) | AA0113 M3011 |
| STEEL | CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330) | BE0805 M3037 |
| STEEL | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| STEEL | DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P) | AB0402 M3021 |
| STEEL | FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P) | RP0101 M3456 |
| STEEL | HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P) | BE1130 M3076 |

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| STEEL | MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P) | SPEC M398 |
| STEEL | PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P) | RP0101 M3454 |
| STEEL | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P) | CA0202 M3222 |
| STEEL | PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P) | CA0202 M3223 |
| STEEL | SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P) | LA0106 M3378 |
| STEEL | SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478) | BE1130 M3504 |
| STEEL | SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P) | BE1130 M3077 |
| STEEL | STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P) | CA0203 M3245 |
| STEEL | STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P) | CA0202 M3555 |
| STEEL | STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P) | CA0202 M3556 |
| STEEL | STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P) | LA0105 M3128 |
| STEEL | STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P) | AA0109 M3566 |
| STEEL | USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P) | CA0202 M3146 |
| STEEL | 100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994) | LA0105 M3150 |
| STEERING | BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P) | LA0102 M3025 |
| STEERING | STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332) | BE0906 M3057 |
| STEERING | THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P) | AA0114 M3219 |
| STEM | PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P) | LA0107 M3415 |
| STEM | PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P) | LA0101 M3100 |
| STEM | 4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P) | LA0105 M3069 |

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| STEMS | PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P) | LA0107 M3415 |
| STEPLESS | OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P) | AC1120 M3652 |
| STEREO | IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P) | HD0103 M3696 |
| STEREO | PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORGREN. 10/12/64, 5P) | SPEC. M372 |
| STEREO | STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351) | RP0103 M3401 |
| STEREO | 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II) | CODE HF0101 |
| STEREOTAXIC | BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II) | CODE RB0108 |
| STIFFNESS | LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249) | AC0402 M3398 |
| STIFFNESS | RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P) | AC0404 M3304 |
| STORAGE | LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AB0102 |
| STORAGE | LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P) | AA0300 M3133 |
| STORAGE | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| STORAGE | SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478) | BE1130 M3504 |
| STRAIGHT-TO-CURVED | GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P) | BE0702 M3137 |
| STRENGTH | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |

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| STRENGTH | STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P) | AA0109 M3566 |
| STRESS | ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492) | AC0501 M3526 |
| STRESS | NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902) | HD0102 M3054 |
| STRESS | NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936) | HD0102 M3087 |
| STRESS | NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905) | HD0102 M3060 |
| STRESS | PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P) | HD0202 M3775 |
| STRESS | PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P) | AC0404 M3229 |
| STRESS | REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P) | AC0505 M3326 |
| STRESS | STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071) | HE0103 M3232 |
| STRESS | STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 5P) | AC0305 M3529 |
| STRESS-ANALYSIS | LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P) | BE0905 M3116 |
| STRESS-ANALYSIS | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P) | HD0102 M3410 |
| STRESS-ANALYSIS | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P) | HD0102 M3427 |
| STRESS-ANALYSIS | STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P) | AA0118 M3431 |
| STRESS-ANALYSIS | STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758) | RA0200 M3712 |

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| STRESSES | BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P) | AC0404 M3336 |
| STRESSES | BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P) | BE1130 M3041 |
| STRESSES | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P) | HD0102 M3410 |
| STRESSES | NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P) | HD0102 M3427 |
| STRESSES | SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P) | BE1130 M3040 |
| STRUCTURAL | DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P) | CB0112 M3296 |
| STRUCTURAL | RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P) | AC0304 M3627 |
| STRUCTURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II) | CODE AC0402 |
| STRUCTURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II) | CODE AC0404 |
| STRUCTURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II) | CODE AC0405 |
| STRUCTURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II) | CODE AC0406 |
| STRUCTURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0409 |
| STRUCTURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II) | CODE AC0411 |
| STRUCTURE | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II) | CODE AC0410 |
| STRUCTURE | MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P) | AC0404 M3319 |
| STRUCTURES | BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II) | CODE BE1130 |
| STRUCTURES | OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P) | AC1120 M3653 |

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| STUDIES | ADVANCD-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II) | CODE AC0101 |
| STUDIES | CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P) | CA0100 M3300 |
| STUDIES | HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II) | CODE LA0103 |
| STUDIES | HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II) | CODE LA0105 |
| STUDIES | RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P) | AC0304 M3718 |
| STUDIES | SUPERCONDUCTIVITY STUDIES (SEE THIS CODE IN SECTION II) | CODE AB0103 |
| STUDIES | 184-IN CYCLOTRON, IMPROVEMENTS, CENTRAL AREA STUDIES (SEE THIS CODE IN SECTION II) | CODE CA0206 |
| STUDY-GROUP | ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P) | AA0123 M3489 |
| STUDY-GROUP | ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P) | AA0123 M3488 |
| SUBLIMATION | TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P) | CB0120 M3255 |
| SUBROUTINE | FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P) | AA0123 M3337 |
| SUBROUTINE | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| SUBROUTINE | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |
| SUBSTATION | EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P) | LA0105 M3328 |
| SULFUR-DIOXIDE | SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P) | BE0709 M3278 |
| SULFUR-HEXAFLUORIDE | OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P) | BE0709 M3055 |

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| SULFUR-HEXAFLUORIDE | 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P) | BE0709 M3693 |
| SUPERCONDUCTING | CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P) | AB0103 M3388 |
| SUPERCONDUCTING | COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P) | AB0103 M3018 |
| SUPERCONDUCTING | POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 9/21/64, 3P) | SPEC. M369 |
| SUPERCONDUCTING | SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P) | RA0200 M3558 |
| SUPERCONDUCTING | SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443) | RC0102 M3473 |
| SUPERCONDUCTING | SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444) | RC0102 M3476 |
| SUPERCONDUCTING | SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446) | RC0102 M3479 |
| SUPERCONDUCTIVITY | SUPERCONDUCTIVITY STUDIES (SEE THIS CODE IN SECTION II) | CODE AB0103 |
| SUPPLIERS | LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341) | AA0114 M3383A |
| SUPPORT | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0302 |
| SUPPORT | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II) | CODE AC0404 |
| SUPPORT | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II) | CODE AC0405 |
| SUPPORT | BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II) | CODE BE1130 |
| SUPPORT | CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. D CALLAHAN. 4/19/63, 8P UCID 2330) | BE0805 M3037 |

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| SUPPORT | CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P) | AC0404 M3523 |
| SUPPORT | COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P) | AC0402 M3551A |
| SUPPORT | COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515) | AC0405 M3553B |
| SUPPORT | COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P) | AA0103 M3492 |
| SUPPORT | DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P) | AC0404 M3520 |
| SUPPORT | DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514) | AC0405 M3552A |
| SUPPORT | ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P) | SPEC. M355A |
| SUPPORT | GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P) | AC0302 M3680 |
| SUPPORT | LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P) | BE0905 M3116 |
| SUPPORT | MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P) | AC0405 M3546 |
| SUPPORT | MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P) | AC0302 M3578 |
| SUPPORT | MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P) | AC0404 M3319 |
| SUPPORT | MATHEMATICAL SUPPORT (SEE THIS CODE IN SECTION II) | CODE AA0126 |
| SUPPORT | REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P) | AA0126 M3078 |

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| SUPPORT | SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P) | AC0404 M3522 |
| SUPPORT | SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II) | CODE AB0403 |
| SUPPORTING | A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P) | AC0404 M3230 |
| SUPPORTING | RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P) | AC0304 M3627 |
| SUPPORTS | BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II) | CODE BE1305 |
| SUPPORTS | MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P) | BE1305 M3089 |
| SURFACE | COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P) | LA0107 M3463 |
| SURFACE-QUALITY | ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORGREN. 6/13/66, 2P) | AA0130 M3760 |
| SURVEY | ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II) | CODE AC0406 |
| SURVEY | ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P) | AC0406 M3688 |
| SURVEY | INFLECTOR SURVEY RESULTS JUNE 1965 (BEVATRON, INJECTOR-II. S JOHNSON. 6/18/65, 3P) | BE0907 M3581 |
| SURVEY | MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P) | BE1201 M3286 |
| SURVEY | MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P) | BE1201 M3448 |
| SURVEY | PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P) | AC0501 M3154 |
| SURVEY | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P) | AC0406 M3607 |

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| SURVEY | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P) | AC0406 M3603 |
| SURVEY | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P) | AC0406 M3603 |
| SURVEY | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P) | AC0406 M3607 |
| SURVEY | SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P) | AA0300 M3634 |
| SURVIVAL | TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P) | AC1120 M3564 |
| SWAGELOCK | ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P) | AA0300 M3277 |
| SWAGELOK | TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P) | RC0103 M3747 |
| SWITCHES | BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365) | BE0806 M3391 |
| SYMPOSIUM | AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P) | AA0102 M3172 |
| SYMPOSIUM | AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 3P) | AA0102 M3433 |
| SYMPOSIUM | AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P) | AA0102 M3178 |
| SYMPOSIUM | VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P) | AA0102 M3631 |
| SYNCHROTRON | ADVANCD-ACCELERATOR, SYNCHROTRON INJECTOR (SEE THIS CODE IN SECTION II) | CODE AC0300 |
| SYNCHROTRON | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II) | CODE AC0302 |
| SYNCHROTRON | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II) | CODE AC0301 |
| SYNCHROTRON | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II) | CODE AC0303 |

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| SYNCHROTRON | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0304 |
| SYNCHROTRON | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0305 |
| SYNCHROTRON | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |
| SYNCHROTRON | INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P) | AC0300 M3714A |
| SYNCHROTRON | MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584) | AC0300 M3568 |
| SYNCHROTRON | OMNITRON, SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II) | CODE MN0201 |
| SYNCHROTRON | PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P) | AC0301 M3580 |
| SYNCHROTRON | SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P) | AC0300 M3614 |
| SYNCHROTRON | SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER. P HERNANDEZ. 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P) | AC0303 M3390C |
| SYNCHROTRON | TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P) | AA0102 M3373 |
| SYNCHROTRON | VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P) | AA0102 M3158 |
| SYNCHROTRONS | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| SYNCHROTRONS | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |

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| SYSTEM | CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P) | CB0120 M3740 |
| SYSTEM | LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P) | BE0801 M3596 |
| SYSTEMS | DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P) | AA0102 M3515 |
| TABLES | PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P) | AA0123 M3343 |
| TANGENT | DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P) | BE1130 M3460 |
| TANGENT | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P) | BE1130 M3572 |
| TANGENT | TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P) | BE1130 M3573 |
| TANGENTIAL | DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P) | BE1201 M3338 |
| TANK | ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P) | LA0108 M3613 |
| TANK | CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P) | BE0701 M3702 |
| TANK | COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P) | LA0107 M3463 |
| TANK | DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P) | BE1201 M3338 |
| TANK | EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P) | BE1805 M3287 |
| TANK | HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II) | CODE LA0108 |

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| TANK | MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P) | BE0701 M3734 |
| TANK | NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905) | HD0102 M3060 |
| TANK | PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P) | LA0107 M3576 |
| TANK | PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P) | LA0107 M3611 |
| TANK | PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P) | LA0107 M3409 |
| TANK | TANK LEVEL AND END DEFLECTION MEASUREMENTS ( HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P) | LA0103 M3549 |
| TANK | TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P) | LA0107 M3595 |
| TANK | TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P) | LA0107 M3466 |
| TANK | 88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II) | CODE CB0121 |
| TANKS | INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P) | AC0220 M3597 |
| TANKS | LINAC TANKS (ADVANCED ACCELERATOR. W EATON. 6/10/65, 5P) | SPEC M381 |
| TANKS | REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P) | AC0305 M3295 |
| TANTALUM | ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P) | RC0103 M3023 |
| TAPE | MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P) | AC0406 M3579 |
| TAPE-MEASURE | TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P) | AC0406 M3545 |

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| TAPE-WOUND | SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P) | BE0904 M3645A |
| TAPE-WOUND | TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P) | AC0250 M3710 |
| TAPES | HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P) | AA0106 M3160 |
| TARGET | ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA (SEE THIS CODE IN SECTION II) | CODE AC1110 |
| TARGET | ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P) | AT0102 M3180 |
| TARGET | COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P) | LA0100 M3262 |
| TARGET | ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3450 |
| TARGET | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P) | BE0702 M3138 |
| TARGET | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P) | BE0702 M3139 |
| TARGET | HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P) | BE0709 M3221 |
| TARGET | HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281) | AT0101 M3419 |
| TARGET | INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P) | BE0705 M3422 |
| TARGET | LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352) | AT0102 M3402 |
| TARGET | LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P) | AA0300 M3638 |
| TARGET | MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419) | AA0901 M3442 |
| TARGET | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |

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| TARGET | POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P) | RP0102 M3567 |
| TARGET | SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P) | AC1200 M3736 |
| TARGET | STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P) | BE0702 M3754 |
| TARGET | STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P) | BE0702 M3135 |
| TARGET | TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P) | AC1120 M3687 |
| TARGET | TARGET MAGNETS, DYNAMIC CHARACTERISTICS (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 2P) | AC1120 M3665 |
| TARGET | TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P) | AC1120 M3664 |
| TARGET | 1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P) | AT0101 M3251 |
| TARGETING | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417) | AA0901 M3440 |
| TARGETING | PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421) | AA0901 M3444 |
| TARGETS | BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II) | CODE BE0702 |
| TARGETS | BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II) | CODE BE0802 |
| TARGETS | SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P) | AA0300 M3265 |
| TARGETS | TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II) | CODE AT0101 |
| TARGETS | TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II) | CODE AT0102 |
| TARGETS | TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P) | AC1120 M3564 |

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| TECHNICIANS | MECHANICAL TECHNICIANS, GENERAL (SEE THIS CODE IN SECTION II) | CODE AA0500 |
| TECHNOLOGY | ENGINEERING TECHNOLOGY (SEE THIS CODE IN SECTION II) | CODE AB0101 |
| TECHNOLOGY | ENGINEERING TECHNOLOGY FOR LIVERMORE (SEE THIS CODE IN SECTION II) | CODE AB0400 |
| TECHNOLOGY | VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202) | AA0102 M3310 |
| TECHNOLOGY | VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P) | AA0102 M3548 |
| TELESCOPE | ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380) | AA0901 M3423 |
| TEMPERATURE | A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P) | RC0101 M3038 |
| TEMPERATURE | BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P) | RP0103 M3593 |
| TEMPERATURE | CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346) | AA0102 M3384 |
| TEMPERATURE | ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P) | AA0100 M3677 |
| TEMPERATURE | PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P) | LA0101 M3067 |
| TEMPERATURE | TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372) | BE0708 M3324A |
| TEMPERATURE-DIFFERE | TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P) | LA0107 M3466 |
| TEMPERATURE-DISTRIB | TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P) | AA0123 M3130 |
| TEMPERATURE-DISTRIB | TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P) | AC0303 M3676 |
| TEMPERATURE-DISTRIB | TEMPERATURE-DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 9/8/64 R1/25/65, 17P.) | RC0102 M3411A |

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| TEMPERATURE-DROP | TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P) | CB0112 M3303 |
| TEMPERATURE-REGULAT | IMPROVED TEMPERATURE-REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P) | RC0101 M3119 |
| TERMINAL | ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P) | LA0108 M3613 |
| TERMINAL | COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P) | LA0108 M3685 |
| TERMINAL | FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITES. J HAUGHIAN. 2/8/66, 2P) | LA0108 M3686 |
| TERMINAL | HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II) | CODE LA0108 |
| TERMINAL | HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P) | BE0902 M3017 |
| TERMINAL | PROPOSED INJECTOR TERMINAL IMPROVEMENTS (HEAVY ION ACCELERATOR ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 12/23/65, 7P) | LA0108 M3656 |
| TEST | BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P) | BE0802 M3082 |
| TEST | BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157) | HE0106 M3290 |
| TEST | BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P) | BE0503 M3276A |
| TEST | CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P) | BE0701 M3702 |
| TEST | COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P) | LA0107 M3463 |
| TEST | CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460) | AT0102 M3497 |

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| TEST | DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P) | BE1210 M3042 |
| TEST | DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P) | BE0905 M3091 |
| TEST | ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P) | BE0610 M3289A |
| TEST | FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P) | SPEC. M375 |
| TEST | HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P) | BE0709 M3355 |
| TEST | HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P) | LA0103 M3083 |
| TEST | HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P) | BE0709 M3221 |
| TEST | KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P) | CA0200 M3474 |
| TEST | MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P) | RP0102 M3599 |
| TEST | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P) | AA0112 M3478 |
| TEST | PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345) | AA0112 M3389 |
| TEST | PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636) | AB0105 M3608 |
| TEST | PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P) | CB0120 M3733 |
| TEST | PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P) | AA0300 M3225 |
| TEST | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |
| TEST | PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3449 |

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| TEST | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| TEST | RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P) | BE0802 M3640 |
| TEST | SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P) | SPEC M387 |
| TEST | STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P) | BE0702 M3754 |
| TEST | STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P) | BE0702 M3135 |
| TEST | TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P) | RC0103 M3747 |
| TEST | VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890) | AA0117 M3035 |
| TEST-CHAMBER | LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRSING. 12/4/64, 7P UCID 2436) | RC0102 M3458 |
| TESTING | MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P) | AA0114 M3191 |
| TESTING | NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P) | SPEC. M17 |
| TESTING | NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P) | SPEC. M352 |
| TESTING | SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P) | AA0300 M3772 |
| TESTING | TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P) | BE0806 M3193 |
| TESTING | TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372) | BE0708 M3324A |
| TESTING | VACUUM-CHAMBER, EARLY TESTING REQUIREMENTS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. J SUSTA. 4/5/66, 4P) | AC0801 M3723 |
| TESTS | BEARING TESTS FOR APPLICATION IN VACUUM OF 1X10*-6 TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784) | BE0702 M3732 |

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| TESTS | BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P) | AT0102 M3252 |
| TESTS | CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P) | AB0103 M3388 |
| TESTS | HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II) | CODE LA0103 |
| TESTS | PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P) | AA0114 M3113 |
| TESTS | PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING. 5/24/65, 4P) | RA0203 M3569 |
| TESTS | TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P) | SPEC. M377 |
| TESTS | 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P) | SPEC M390A |
| TEXAS-A-AND-M | COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P) | CB0125 M3697 |
| THEORY | THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343) | AA0112 M3364A |
| THERMAL | DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P) | AC0404 M3520 |
| THERMAL | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| THERMAL | KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P) | CA0200 M3474 |
| THERMAL | RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P) | HD0202 M3757 |
| THERMAL | TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P) | BE0806 M3193 |
| THERMAL | THERMAL CONDUCTIVITY OF SAPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P) | AA0107 M3738A |
| THERMAL | THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P) | AA0107 M3691 |
| THERMIONIC | ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P) | RC0103 M3023 |

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| THERMOCOUPLE | BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P) | HE0106 M3171 |
| THERMOCOUPLE | HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P) | AA0112 M3217 |
| THERMOCOUPLE | RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P) | RA0204 M3099 |
| THERMOCOUPLE | THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P) | AA0112 M3212A |
| THERMOCOUPLE | THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P) | AA0112 M3210 |
| THERMOELECTRICS | CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346) | AA0102 M3384 |
| TILTING | PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422) | AA0901 M3447A |
| TIME | CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P) | CB0200 M3185 |
| TIME | DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P) | CB0125 M3565 |
| TIME | NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901) | HD0102 M3052 |
| TIME | PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P) | RP0102 M3692 |
| TIME-STUDIES | COSTS, TIME-STUDIES, ESTIMATING (SEE THIS CODE IN SECTION II) | CODE AA0103 |
| TIMING | TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORGREN. 1/14/66, 5P UCID 2746) | HF0103 M3675 |
| TITANIUM | TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P) | CB0120 M3255 |
| TOLERANCE | COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/26/66 3P.) | HD0202 M3752 |
| TOLERANCE | TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P) | AC0505 M3211 |

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| TOLERANCES | INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P) | AC0501 M3259 |
| TOOL | J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P) | SPEC. M361A |
| TOOLING | ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES ( A VIEGELMANN. J SCHOLES. 6/28/65, 2P) | AA0501 M3600 |
| TOOLING | MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418) | AA0901 M3441 |
| TOOLING | OPTICAL INSTRUMENTATION AND TOOLING (SEE THIS CODE IN SECTION II) | CODE AA0501 |
| TOOLS | DEVICES, COMPONENTS, TOOLS (SEE THIS CODE IN SECTION II) | CODE AA0118 |
| TORISPHERICAL | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| TORR | BEARING TESTS FOR APPLICATION IN VACUUM OF 1X10*-6 TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784) | BE0702 M3732 |
| TOUR | TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P) | AA0102 M3373 |
| TOWER-4 | ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P) | BE0104 M3112 |
| TRACING | TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P) | SPEC. M377 |
| TRANSFER | 30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215) | BE0610 M3317 |
| TRANSFORMER | 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P) | LA0102 M3196 |
| TRANSIT | MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419) | AA0901 M3442 |
| TRANSITION | ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.) | RC0100 M3750 |

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| TRANSITION | DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P) | BE1201 M3338 |
| TRANSMISSION | ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P) | AA0106 M3741 |
| TRANSMISSION | RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P) | AC0304 M3718 |
| TRANSMISSION | SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P) | HD0202 M3713 |
| TRANSMISSION-LINE-S | COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P) | AC0701 M3654 |
| TRANSPORT | BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0804 |
| TRANSPORT | MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P) | RP0103 M3405 |
| TRANSPORT | SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P) | AC1120 M3563 |
| TRANSPORT | TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 5/27/65, 1P) | SPEC M379 |
| TRAP | LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY,CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.) | RC0103 M3749 |
| TRAP | REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P) | AA0112 M3636 |
| TRAP | REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P) | AA0112 M3636 |
| TRAVELING | FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P) | RC0103 M3056 |
| TRAVELING | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P) | BE0702 M3139 |
| TRAVELING | GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P) | BE0702 M3138 |

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| TRAVELING | STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P) | BE0702 M3135 |
| TRAVELING | TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P) | AC1300 M3575 |
| TRIMMING | 88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II) | CODE CB0103 |
| TRIODE | ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733) | AB0105 M3651A |
| TRIODE | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| TRIODE | PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P) | AB0105 M3619 |
| TRIPLET | CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS. D ROTHFUSS. 8/30/63, 4P) | SPEC. M359 |
| TRIPLET | CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P) | CA0303 M3081 |
| TRIPLET | FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P) | CA0303 M3086 |
| TRUCK | TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/17/63, R1/28/64, 1P) | SPEC. M349B |
| TUBE | CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P) | LA0102 M3141 |
| TUBE | EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P) | BE0905 M3001A |
| TUBE | M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P) | BE0803 M3016 |
| TUBE | TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P) | CB0112 M3303 |
| TUBE | TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P) | RC0103 M3747 |
| TUBE | THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P) | AA0112 M3212A |

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| TUBING | BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P) | SPEC. M18B |
| TUBING | BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158) | AA0112 M3294 |
| TUBING | CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRSING. 2/19/64, 5P) | RA0201 M3266 |
| TUBING | HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.) | RC0100 M3748 |
| TUNCOS | SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P) | AC0300 M3767 |
| TUNGSTEN | ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P) | RC0103 M3023 |
| TUNING | COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P) | LA0105 M3097 |
| TUNING | RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450) | AC0304 M3322B |
| TUNING-SYSTEM | A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P) | AC0304 M3365 |
| TUNING-SYSTEM | RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451) | AC0304 M3331A |
| TUNING-SYSTEM | RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452) | AC0304 M3339A |
| TUNNEL | ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P) | AC0302 M3668 |
| TUNNEL | SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P) | AC1300 M3535A |

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| TUNNEL | SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497) | AC0300 M3537 |
| TUNNEL | THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P) | AC0404 M3270 |
| TURBOMOLECULAR | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| TURNTABLE | FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P) | CA0202 M3353A |
| ULTRA-HIGH | ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279) | RC0100 M3350A |
| UNIFORMLY-LOADED | DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P) | AA0129 M3194 |
| UNIVERSITY | JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P) | AA0102 M3361 |
| UNIVERSITY | UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P) | AA0102 M3205A |
| UPTAKE | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P) | RB0101 M3029 |
| UPTAKE | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P) | RB0101 M3231 |
| UTILITIES | BEVATRON, BUILDING, UTILITIES (SEE THIS CODE IN SECTION II) | CODE BE0104 |
| UTILITIES | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| UTILITY-PENETRATION | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| VACUUM | A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P) | AC0305 M3455 |

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| VACUUM | AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P) | AA0102 M3172 |
| VACUUM | AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 3P) | AA0102 M3433 |
| VACUUM | BEARING TESTS FOR APPLICATION IN VACUUM OF 1X10*-6 TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784) | BE0702 M3732 |
| VACUUM | BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II) | CODE BE0803 |
| VACUUM | BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II) | CODE BE1805 |
| VACUUM | BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P) | AA0102 M3174 |
| VACUUM | BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P) | SPEC. M18B |
| VACUUM | BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158) | AA0112 M3294 |
| VACUUM | CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P) | AA0112 M3484 |
| VACUUM | CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P) | CB0200 M3185 |
| VACUUM | CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P) | RC0100 M3689 |
| VACUUM | CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P) | AB0403 M3033 |
| VACUUM | DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P) | BE1805 M3272 |
| VACUUM | ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P) | AC0250 M3587 |
| VACUUM | ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517) | AC0800 M3510A |
| VACUUM | ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P) | AC0800 M3134 |
| VACUUM | ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150) | AC0800 M3281 |

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| VACUUM | EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128) | AC0800 M3269A |
| VACUUM | EVALUATION OF VACUUM EQUIPMENT (SEE THIS CODE IN SECTION II) | CODE AB0105 |
| VACUUM | EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P) | BE1805 M3287 |
| VACUUM | HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRSING. 2/24/66, 10P) | RC0100 M3703 |
| VACUUM | HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P) | AA0112 M3217 |
| VACUUM | HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH,GENERAL. R REIMERS. 5/24/66, 2P.) | RC0100 M3748 |
| VACUUM | HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P) | CB0121 M3285 |
| VACUUM | HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335) | AA0112 M3162 |
| VACUUM | INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403) | CB0121 M3359 |
| VACUUM | ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183) | RC0103 M3305 |
| VACUUM | J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P) | AA0117 M3199A |
| VACUUM | J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P) | AA0117 M3175A |
| VACUUM | M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P) | BE0803 M3016 |
| VACUUM | MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P) | BE1805 M3372 |
| VACUUM | MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273) | AA0112 M3342 |
| VACUUM | MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P) | AA0106 M3357A |
| VACUUM | MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P) | AA0102 M3589 |

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| VACUUM | MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P) | AC0800 M3299 |
| VACUUM | NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905) | HD0102 M3060 |
| VACUUM | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P) | AA0112 M3478 |
| VACUUM | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P) | AA0112 M3509 |
| VACUUM | OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P) | AA0112 M3507 |
| VACUUM | PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345) | AA0112 M3389 |
| VACUUM | PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636) | AB0105 M3608 |
| VACUUM | PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P) | CB0120 M3733 |
| VACUUM | POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P) | CB0120 M3604 |
| VACUUM | PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P) | AA0300 M3449 |
| VACUUM | PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656) | AB0105 M3624 |
| VACUUM | PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P) | BE0906 M3022 |
| VACUUM | PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRSING. 2/28/66, 2P) | AA0300 M3704 |
| VACUUM | PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P) | AB0105 M3616 |
| VACUUM | RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P) | CB0120 M3744A |
| VACUUM | REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P) | AC0305 M3295 |

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| VACUUM | REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P) | AC0305 M3295 |
| VACUUM | RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P) | RA0204 M3099 |
| VACUUM | SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II) | CODE AA0117 |
| VACUUM | STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206) | RC0103 M3309 |
| VACUUM | SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II) | CODE AB0403 |
| VACUUM | THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343) | AA0112 M3364A |
| VACUUM | THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P) | AA0112 M3212A |
| VACUUM | THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P) | AA0112 M3210 |
| VACUUM | TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P) | CB0120 M3255 |
| VACUUM | TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790) | AA0102 M3735 |
| VACUUM | ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279) | RC0100 M3350A |
| VACUUM | UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783) | BE0702 M3731 |
| VACUUM | VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P) | SPEC. M358 |
| VACUUM | VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P) | SPEC. M360A |
| VACUUM | VACUUM PRACTICES , EQUIPMENT, MATERIALS (SEE THIS CODE IN SECTION II) | CODE AA0112 |
| VACUUM | VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890) | AA0117 M3035 |
| VACUUM | VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202) | AA0102 M3310 |

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| VACUUM | VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P) | AA0102 M3548 |
| VACUUM | VESSELS, VACUUM, PRESSURE (SEE THIS CODE IN SECTION II) | CODE AA0113 |
| VACUUM | VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P) | AA0102 M3631 |
| VACUUM | VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P) | AC0800 M3412 |
| VACUUM | WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P) | AB0105 M3369 |
| VACUUM | WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P) | AB0105 M3385 |
| VACUUM-CHAMBER | ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER (SEE THIS CODE IN SECTION II) | CODE AC0801 |
| VACUUM-CHAMBER | COMPARATIVE STUDY OF VACUUM-CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P) | AC0801 M3227 |
| VACUUM-CHAMBER | MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363) | AC0801 M3292A |
| VACUUM-CHAMBER | OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P) | AC0305 M3773 |
| VACUUM-CHAMBER | VACUUM-CHAMBER, EARLY TESTING REQUIREMENTS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. J SUSTA. 4/5/66, 4P) | AC0801 M3723 |
| VACUUM-CHAMBER | VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P) | AA0102 M3158 |
| VACUUM-ENVELOPE | EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 7P) | AC0305 M3527 |
| VACUUM-ENVELOPE | EVACUATION OF VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 4P) | AC0305 M3528 |
| VACUUM-ENVELOPE | STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/19/65, 5P) | AC0305 M3529 |
| VACUUM-JACKET | VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P) | AT0102 M3187 |
| VACUUM-SYSTEM | ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0305 |
| VACUUM-SYSTEM | ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE AC0800 |

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| VACUUM-SYSTEM | ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER (SEE THIS CODE IN SECTION II) | CODE AC0801 |
| VACUUM-SYSTEM | AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P) | AC0800 M3519 |
| VACUUM-SYSTEM | BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P) | AC0300 M3475 |
| VACUUM-SYSTEM | COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P) | AC0300 M3258 |
| VACUUM-SYSTEM | DEFINITION OF PROBLEMS IN MAIN VACUUM-SYSTEM (ADVANCED ACCELERATOR. F REINATH. 2/17/64, 18P UCID 2127) | AC0800 M3263 |
| VACUUM-SYSTEM | MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152) | AC0800 M3241B |
| VACUUM-SYSTEM | MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P) | AC0800 M3284 |
| VACUUM-SYSTEM | MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P) | AC0800 M3559A |
| VACUUM-SYSTEM | PROPOSED VACUUM-SYSTEM COMPONENTS (ADVANCED ACCELERATOR, INJECTION SYSTEM, LINEAR ACCELERATOR. W EATON, F REINATH. 6/13/66,6P) | AC0305 M3762 |
| VACUUM-SYSTEM | VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRSING. 3/30/65, 12P) | AC0305 M3530 |
| VACUUM-SYSTEM | VACUUM-SYSTEM, PRELIMINARY STUDY (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. V KOPYTOFF. 5/4/64, 2P) | SPEC. M366 |
| VACUUM-SYSTEM | 88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II) | CODE CB0120 |
| VACUUM-TIGHT | ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.) | RC0100 M3750 |
| VALVE | DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P) | BE1805 M3272 |
| VALVES | CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P) | AA0300 M3641 |
| VALVES | HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P) | AA0300 M3643 |

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| VALVES | STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206) | RC0103 M3309 |
| VAN | VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63, R1/27/64, 5P) | SPEC. M3508 |
| VANADIUM | VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P) | AC0502 M3170 |
| VARIAN | TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790) | AA0102 M3735 |
| VARIAN | VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202) | AA0102 M3310 |
| VARIAN | VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P) | AA0102 M3548 |
| VARIAN-ASSOCIATES | VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P) | AC0800 M3412 |
| VECTOR | AN INTRODUCTION TO VECTOR ALGEBRA (R SCHWARZ. 3/22/65 R4/20/65, 17P) | AA0123 M3525A |
| VEHICLE | COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738) | AC1300 M3659 |
| VEHICLE | SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P) | AC1300 M3535A |
| VEHICLE | SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740) | AC1300 M3662 |
| VEHICLE | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P) | AC1200 M3601 |
| VEHICLE | SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P) | AC1200 M3602 |
| VEHICLE | WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P) | AC1300 M3626 |
| VELLUM | TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P) | SPEC. M377 |
| VELOCITY | BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II) | CODE BE0708 |

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| VELOCITY | PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON,. G EDWARDS. 7/17/64, R12/21/64, 3P) | BE0708 M3368A |
| VELOCITY | VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P) | SPEC. M351B |
| VELOCITY | VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P) | BE0708 M3024 |
| VELOCITY | VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P) | BE0708 M3102 |
| VELOCITY | VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P) | BE0708 M3472 |
| VENT | CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P) | AA0300 M3641 |
| VENTILATION | VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 8/16/65, 7P) | AA0300 M3606 |
| VENTILATION | VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 1P) | AA0300 M3621 |
| VENTS | BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II) | CODE BE0709 |
| VESSEL | DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P) | AB0402 M3021 |
| VESSEL | FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P) | SPEC M385 |
| VESSEL | PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P) | AA0113 M3110 |
| VESSEL | SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P) | AA0300 M3772 |
| VESSEL | SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P) | AT0102 M3235 |
| VESSELS | BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P) | AA0113 M3011 |

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| VESSELS | VESSELS, VACUUM, PRESSURE (SEE THIS CODE IN SECTION II) | CODE AA0113 |
| VIBRATION | BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P) | BE0907 M3005 |
| VIBRATION | NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRSING, H MASECK. 9/16/63, 23P UCID 1988) | RA0203 M3147 |
| VIBRATION | PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P) | AC0404 M3229 |
| VIBRATION | REDUCTION OF VIBRATION CAUSED BY MG-SET (BEVATRON INJECTOR-II ION GUN HIGH-VOLTAGE TERMINAL. W EATON. 4/12/63, 3P) | BE0903 M3028 |
| VIBRATION | RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450) | AC0304 M3322B |
| VISIBILITY | MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P) | RC0103 M3049 |
| VISUAL | DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P) | AA0102 M3515 |
| VISUAL | INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P) | AA0102 M3644 |
| VISUAL | MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424) | AA0102 M3421 |
| VOLUME | AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P) | AC0800 M3519 |
| VOLUME | TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372) | BE0708 M3324A |
| WALKING-MECHANISM | MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P) | HD0103 M3751 |

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| WALL | PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P) | LA0107 M3576 |
| WALL | PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P) | LA0107 M3611 |
| WALL | REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P) | CA0203 M3709A |
| WALL | SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803) | AA0116 M3753 |
| WALL | TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P) | LA0107 M3595 |
| WALL | TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P) | LA0107 M3466 |
| WALL | WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P) | CB0125 M3213 |
| WALL-THICKNESS | MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363) | AC0801 M3292A |
| WATER | A NEW TYPE WATER FLOWSWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P) | AB0101 M3340 |
| WATER | AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P) | BE0705 M3208 |
| WATER | COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P) | AC0304 M3348 |
| WATER | COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P) | LA0105 M3097 |
| WATER | COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P) | LA0107 M3463 |
| WATER | ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P) | BE0705 M3256 |
| WATER | FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P) | SPEC M393 |

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| WATER | HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P) | LA0107 M3417 |
| WATER | MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P) | AC0500 M3533 |
| WATER | MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P) | RC0101 M3096 |
| WATER | ONE-HALF INCH WATER FLOWSWITCH (HEAVY-ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P) | LA0102 M3189 |
| WATER | PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331) | AA0114 M3047 |
| WATER | TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P) | LA0107 M3466 |
| WATER-COOLED | INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185) | AB0108 M3306 |
| WATER-COOLED | TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P) | AA0123 M3130 |
| WATER-COOLED | WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P) | CB0125 M3213 |
| WATER-SYSTEM | ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P) | BE0104 M3112 |
| WATER-SYSTEM | CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P) | BE0905 M3006 |
| WATER-SYSTEM | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P) | CB0140 M3610 |
| WATER-SYSTEM | LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P) | CB0140 M3618A |
| WATER-SYSTEM | 88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II) | CODE CB0140 |
| WAVEGUIDE | ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P) | AC0200 M3341 |
| WAVEGUIDE | ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P) | AC0200 M3202 |

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| WEATHERHEAD | DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P) | BE0705 M3293 |
| WEATHERHEAD | WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P) | LA0102 M3280 |
| WEIGHT | CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329) | BE0805 M3030 |
| WEIGHT | SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P) | AC0404 M3522 |
| WEIGHT | THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P) | AC1120 M3648 |
| WEIGHTS | GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338) | AA0114 M3382B |
| WEIGHTS | LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341) | AA0114 M3383A |
| WELCH | PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749) | AB0105 M3681 |
| WELDED | BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P) | AT0102 M3252 |
| WELDING | ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P) | SPEC M396 |
| WELDING | WELDING, BRAZING , SOLDERING (SEE THIS CODE IN SECTION II) | CODE AA0121 |
| WESCON | VISIT TO 1964 WESCON AT LOS ANGELES (TRIP REPORT. S JOHNSON. 8/26/64, 1P) | AA0102 M3396 |
| WESCON | WESCON SHOW, 1964 (TRIP REPORT. R REIMERS. 8/27/64, 1P) | AA0102 M3397 |
| WESGO | WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRSING. 2/19/65, 4P) | AC0305 M3503 |

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| WESTERN-GOLD-AND-PL | CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P) | RC0103 M3204 |
| WHOLE-BODY | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P) | RB0101 M3231 |
| WHOLE-BODY | WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P) | RB0101 M3029 |
| WHOLE-BODY | WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P) | RB0101 M3413 |
| WINDING | BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II) | CODE BE1305 |
| WINDING | GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P) | BE0702 M3123A |
| WINDING | GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P) | BE0702 M3136 |
| WINDING | MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P) | BE1305 M3089 |
| WINDOW | WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORGREN. 3/11/66, 2P) | HD0203 M3707 |
| WINDOWS | BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II) | CODE BE1805 |
| WINDOWS | MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P) | BE1805 M3372 |
| WINDOWS | STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071) | HE0103 M3232 |
| WINDOWS | VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P) | AT0102 M3187 |
| WINDOWS | VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P) | AT0102 M3187 |
| WIRE | SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446) | RC0102 M3479 |

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| WIRE | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P) | AC0406 M3603 |
| WIRE | SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P) | AC0406 M3607 |
| WORK | MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P) | AC0101 M3216 |
| WORK | SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P) | BE0601 M3467 |
| WORK | WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P) | AB0105 M3369 |
| WORK | WORK FOR SLAC (SEE THIS CODE IN SECTION II) | CODE AA0901 |
| WORK | WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P) | AB0105 M3385 |
| WORK-CENTER | COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738) | AC1300 M3659 |
| WORK-CENTER | WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P) | AC1300 M3626 |
| WORK-SHEET | WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P) | AA0123 M3009 |
| WORKSHOP | WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63. 4P) | AA0102 M3201 |
| WRITING | UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P) | AA0102 M3205A |
| WRITING | WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63. 4P) | AA0102 M3201 |
| X-RAY | MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420) | RP0104 M3443 |
| X-RAY | SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II) | CODE AB0403 |
| X-Y | MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P) | SPEC M401B |
| X-Y | RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P) | RB0101 M3642 |

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| YARDWORK | SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P) | AC0300 M3745 |
| YEARLY | YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P) | AC0404 M3321 |
| YOKE | AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333) | BE0804 M3103 |
| YOKE | FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P) | AA0114 M3570 |
| YOKE | MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P) | AC0501 M3453 |
| YOKE | RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P) | AA0114 M3571 |
| YOKES | GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338) | AA0114 M3382B |
| YOUNGS | HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P) | AA0106 M3764 |
| ZAPON | THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O'CONNELL. 5/3/63, 4P) | AA0503 M3104 |
| ZGS | TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P) | AA0102 M3373 |
| ZINC | APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P) | SPEC. M373 |

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