

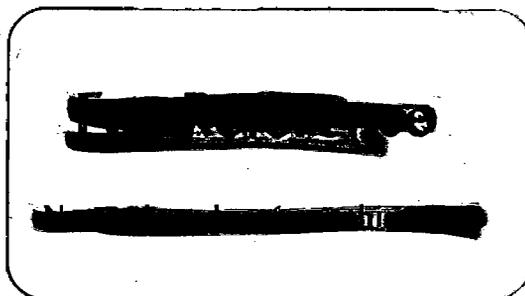
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### REPORTS ISSUED

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#### ACCELERATOR AND FUSION RESEARCH

- LBL-13936 Report (K) Measurement of Ion-Acoustic Wave Velocity in a Pulsed Plasma, Feb. 1982, 11p. Submitted to *Phys. Fluids Lett.*, N.E. Abt, G. Guethlein, and J.W. Stearns (LBL) UC20
- LBL-14106 Report (K) Stochastic Cooling, Mar. 1982, 73p. To be published in the Proceedings of the 1981 Summer School on High Energy Particle Accelerators, Fermi National Accelerator Laboratory, Batavia, IL, July 13-24, 1981, J. Bisognano, and C. Leemann (LBL) UC34d
- LBL-14112 Report (K) Elementary Derivation of Poisson Structures for Fluid Dynamics and Electrodynamics, Feb. 1982, 7p. Submitted to *Phys. Fluids*, A.N. Kaufman (UCB and LBL) UC34d
- LBL-14194 Report (K) Inertial Confinement Fusion, Mar. 1982, 101p. To be published as an article in **Annual Review of Nuclear and Particle Science**, Vol. 32, Annual Reviews Inc., D. Keefe (LBL) UC21
- LBL-14215 Abstract (K) Alternative Dipole Magnets for ISABELLE, Mar. 1982, 2p. Submitted for the Ninth International Cryogenic Engineering Conference, International Cryogenic Materials Conference and Exhibition, Kobe, Japan, May 11-14, 1982, C. Taylor, R. Althaus, S. Caspi, W. Gilbert, W. Hassenzahl, R. Meuser, J. Rechen, and R. Warren (LBL) UC20b,38
- LBL-14238 Abstract (K) The Development of Neutral Beam Injection Systems, Mar. 1982, 2p. Submitted for the International Atomic Energy Agency Conference, Baltimore, MD, September 1-8, 1982, R.V. Pyle, O.A. Anderson, K.H. Berkner, C.F. Burrell, C.F. Chan, W.S. Cooper, J.G. DeVries, K.W. Ehlers, D.A. Goldberg, D.B. Hopkins, L.T. Jackson, V.L. Jacobson, D.O. Kippenham, W.B. Kunkel, K.N. Leung, A.F. Lietzke, I.C. Lutz, H.M. Owren, J.A. Paterson, P.A. Pincosy, R.R. Smith, W.F. Steele, J.T. Tanabe, R.P. Wells, and M.C. Vella (LBL) H.H. Haselton, G.C. Barber, C.W. Blue, W.K. Dagenhart, R.R. Feezell, S.C. Forrester, W.L. Gardner, M.M. Menon, J.A. Moeller, N.S. Ponte, P.M. Ryan, D.E. Schechter, F. Sluss, D.O. Sparks, W.L. Stirling, C.C. Tsai, J.H. Whealton, and R.E. Wright (ORNL) UC20

- LBL-14253 Report (K) Stability in Accelerator Dipoles in He I and He II, Nov. 1981, 4p. Presented at the Second International Conference on Stability in Superconducting Magnets, Saclay, France, November 16-19, 1981, W. Hassenzahl, W. Gilbert, C. Taylor, S. Caspi, J. Rechen, and R. Meuser (LBL) UC38

## BIOLOGY AND MEDICINE

- LBL-13501 Report (B) Biology and Medicine Division, Annual Report 1980-1981, Apr. 1982, 191p. 48, Various (LBL) UC48
- LBL-13677 Report (B) Increased Enhancement of Tumor Response to X Rays and High-LET Neon Ions by Desmethylmisonidazole Relative to Misonidazole, Nov. 1981, 17p. To be published in *Int. J. Radiat. Biol.*, T.S. Tenforde, S.B. Curtis, S.S. Parr, S.M.J. Afzal, J. Howard, and J.T. Lyman (LBL) UC48
- LBL-14143 Report (B) Imaging with a Multiplane Multiwire Proportional Chamber Using Heavy Ion Beams, Mar. 1982, 4p. Presented at the International Workshop on Physics and Engineering in Medical Imaging, Pacific Grove, CA, March 15-18, 1982, W.T. Chu, J.R. Alonso, and C.A. Tobias (LBL) UC48

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- LBL-14212 Report (D) Latex-Producing Plants from Rwanda, Jan. 1982, 11p. To be published in *Econ. Bot.*, P.C. Karenzi (Nat. Univ. of Rwanda, Butare, Rwanda) E.K. Nemethy, J.W. Otvos, and M. Calvin (UCB and LBL) UC61a
- LBL-14213 Report (D) Gilbert Newton Lewis: His Influence on Physical-Organic Chemists at Berkeley, Mar. 1982, 36p. Presented at the 183rd National Meeting of the American Chemical Society, Las Vegas, Nevada, March 30-31, 1981, at a Symposium of the Division of Chemical Education on Gilbert Newton Lewis; and to be published in the Proceedings, M. Calvin (UCB and LBL) UC4

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- LBL-11836 Report (W) Constant Pressure Charging of a Liquid Dominated Geothermal Reservoir, Mar. 1982, 69p. 66a, K.P. Goyal, and T.N. Narasimhan (LBL) UC66a
- LBL-12600 Report (W) Survey of Existing Underground Openings for In-Situ Experimental Facilities, Apr. 1981, 110p. H. Wollenberg, A. Graf, and B. Strisower (LBL) G. Korbin (Geotechnical Consultant) UC70
- LBL-13286 Report (W) A Statistical Fracture Mechanics Approach to the Strength of Brittle Rock, June 1981, 97p. Ph.D., J.L. Ratigan (LBL and UCB) UC38
- LBL-13487 Report (W) A Practical Method for Modeling Fluid and Heat Flow in Fractured Porous Media, Feb. 1982, 37p. Presented at the Sixth SPE Symposium on Reservoir Simulation, New Orleans, LA, February 1-3, 1982, K. Pruess, and T.N. Narasimhan (LBL) UC92a

- LBL-13635 Report (W) Recent Results of the Well Drilling Program at Cerro Prieto, Dec. 1981, 6p. 66a, B. Dominguez-A. and F. Bermejo-M. (Comision Federal de Electricidad, Mexico) M. J. Lippmann (LBL) UC66a
- LBL-13782 Report (W) Analysis of Flow Data from Several Baca Wells, Dec. 1981, 7p. Presented at the Seventh Annual Geothermal Reservoir Engineering Workshop, Stanford, CA, December 15-17, 1981, T.D. Riney, and S.K. Garg (Systems Science and Software, La Jolla, CA) UC66a
- LBL-13890 Report (W) Radiogeological Assessment of Candidate Sites for Nuclear Waste Repositories, Exemplified by Studies of the Stripa Pluton, Sweden, Jan. 1982, 14p. To be published as a chapter in **Scientific Basis for Nuclear Waste Management**, Stephen Topp, ed., Elsevier North Holland, New York, NY, H.A. Wollenberg, S. Flexser, and L. Andersson (LBL) UC70
- LBL-14246 Report (W) Heat Storage in Aquifers: Buoyancy Flow and Thermal Stratification Problems, Oct. 1979, 72p. 94e, G. Hellström (Lund Institute of Technology, Sweden and LBL) C.F. Tsang (LBL) J. Claesson (Lund Institute of Technology, Sweden) UC94e

## ENERGY AND ENVIRONMENT

- LBL-09492 Revision (J) Equivalent Sphere Illumination and Visibility Levels, Mar. 1982, 103p. Submitted to *Light. Res. Technol.*, R.W. Richardson (New York Univ.) S.M. Berman (LBL) UC95d
- LBL-10631 Report (J) A Method for Measuring the Exhalation of Radon from Building Materials, Feb. 1982, 41p. 11, J.G. Ingersoll, B.D. Stitt, and G.H. Zapalac (LBL) UC11
- LBL-12221 Report (J) Infiltration Measurements in Audit and Retrofit Programs, Apr. 1981, 25p. Presented at the International Energy Agency (IEA) Energy Audit Workshop, Elsinore, Denmark, April 13-15, 1981, D.T. Grimsrud, R.C. Sonderegger, and M.H. Sherman (LBL) UC95d
- LBL-13262 Report (J) Dynamic Similitude in Scale Models of Buildings, Aug. 1981, 61p. Submitted to *Int. J. Heat Mass Transfer*, R.W. Richardson (New York Univ., NY) S.M. Berman (LBL) UC95d
- LBL-13957 Report (J) Review of Biomass Liquefaction Efforts, Dec. 1981, 83p. 61a, S. Ergun (LBL) UC61a
- LBL-14027 Report (J) Indoor Air Pollution from Portable Kerosene-Fired Space Heaters, Wood-Burning Stoves, and Wood-Burning Furnaces, Mar. 1982, 12p. Presented at the APCA Specialty Meeting on Residential Wood and Coal Combustion, Louisville, KY, March 1-2, 1982, G.W. Traynor, J.R. Allen, M.G. Apte, J.F. Dillworth, J.R. Girman, C.D. Hollowell, and J.F. Koonce, Jr. (LBL) UC11
- LBL-14057 Report (J) Three Case Studies of Appropriate Energy Technology in the U.S. Pacific Territories, Jan 1982, 29p. Submitted to *Humboldt J. Social Relations*, U. of Oregon, Eugene, OR, C.W. Case (LBL) M.K. Actouka (U. of Hawaii) UC58c

- LBL-14181 Report (J) Abundance Profiles of Iridium and Other Elements Near the Cretaceous-Tertiary Boundary in Hole 516F of DSDP Leg 72, Mar. 1982, 16p. To be published as a chapter in **Initial Reports of the Deep Sea Drilling Project**, Vol. 72, National Science Foundation, Washington, DC, H.V. Michel, and F. Asaro (LBL) W. Alvarez, and L.W. Alvarez (UCB) D. Johnson (Woods Hole Oceanographic Institute) UC13
- LBL-14199 Report (J) Synthesis, Structural Elucidation and Stereochemistry of Five-Coordinate Organoarsenic Catecholates, Apr. 1982, 14p. Submitted to *Organometall.*, R.H. Fish, and R.S. Tannous (LBL) UC4
- LBL-14201 Report (J) Energy Savings Through Effective Lighting Control, Feb. 1982, 11p. Presented at the 9th Energy Technology Conference and Exposition, Washington, DC, February 16-18, 1982, D. Peterson (Gen. Elect. Co., Warwick, RI) F. Rubinstein (LBL) UC95d
- LBL-14242 Report (J) Flow and Combustion Characteristics of a Two Dimensional Spouted Bed, Mar. 1982, 25p. To be presented at the 1982 Spring Meeting, Western States Section/The Combustion Institute, University of Utah, Salt Lake City, UT, April 5-6, 1982, R.F. Sawyer, and J.R. Hart (UCB and LBL) K. Ohtake (Toyohashi Univ. of Technology) UC90e,93

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- LBL-13541 Report (E) Tunable Atomic Line Molecular (TALM) Spectrometer, Dec. 1981, 24p. Submitted to *Spectrochim. Acta*, T. Hadeishi, H. Koizumi, R.D. McLaughlin, and J.E. Millaud (LBL) UC37
- LBL-13613 Report (E) Proceedings of the Celebration of the 50th Anniversary of Lawrence Berkeley Laboratory, Oct. 1981, 163p. D. A. Shirley, L.W. Alvarez, B.M. Oliver, P.H. Abelson, S. Weinberg, D.E. Kuhl, J.B. Adams, M. Lawrence, B. Wilson, E. Lofgren, B. Fretter, and G. Keyworth UC13
- LBL-14144 Report (E) THC: Design Specification, Oct. 1981, 100p. To be submitted for publication, M.S. Itzkowitz, and J. Knight (LBL) UC32
- LBL-14145 Report (E) Fast Timing Methods for Semiconductor Detectors, Mar. 1982, 18p. Presented at the 1981 Nuclear Science Symposium, San Francisco, CA, October 21-23, 1981; and to be published in *IEEE Transactions on Nuclear Science*, June, 1982, H. Spieler (GSI and LBL) UC37
- LBL-14264 Report (E) A Fortran Implementation of a Network Executive Under IBM's VM/CMS, Mar. 1982, 13p. Submitted to the SHARE 59 Meeting, New Orleans, LA, August 22-27, 1982, M.S. Itzkowitz (LBL) UC32

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- LBL-09800 Report (I) The Elastic Contribution to the Thermodynamics of Phase Transformations in Solids, Aug. 1981, 26p. Presented at the ASM International Conference on Solid-Solid Phase Transformations, Pittsburgh, PA, August, 10-14, 1981, J.W. Morris, Jr. (LBL) A.G. Khachaturyan (Moscow, Russia) S.H. Wen (Yorktown Heights, NY) UC25

- LBL-11777 Report (O) Weldability of Grain-Refined Fe-12Ni-0.25Ti Steel for Cryogenic Applications, June 1981, 30p. Submitted to *Weld. J.*, D.E. Williams, and J.W. Morris, Jr. (LBL) UC25,38
- LBL-13032 Revision (O) Interferometric Study of Combined Forced and Natural Convection, Mar. 1982, 33p. Submitted to *J. Electrochem. Soc.*, F.R. McLarnon (LBL) R.H. Muller, and C.W. Tobias (LBL and UCB) UC4
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- LBL-13268 Report (H) Off-Normal Photoelectron Diffraction Study of the c(2×2) Selenium Overlayer on Ni(001), Mar. 1982, 23p. Submitted to *Phys. Rev. B*, D.H. Rosenblatt, S.D. Kevan, J.G. Tobin, R.F. Davis, M.G. Mason, and D.A. Shirley (LBL and UCB) J.C. Tang, and S.Y. Tong (U. of Wisconsin-Milwaukee, WI) UC4
- LBL-13410 Report (H) Normal Photoelectron Diffraction Studies of Selenium and Sulfur Overlayers on Ni(011) and Ni(111), Mar. 1982, 25p. Submitted to *Phys. Rev. B*, D.H. Rosenblatt, S.D. Kevan, J.G. Tobin, R.F. Davis, M.G. Mason, D.R. Denley, and D.A. Shirley (LBL and UCB) Y. Huang, and S.Y. Tong (aff.=U. of Wisconsin-Milwaukee, WI) UC4
- LBL-13571 Report (I) A Comparison of Environmentally-Influenced Near-Threshold Fatigue Crack Growth Behavior in High and Lower Strength Steels at Conventional Frequencies, Jan. 1982, 20p. To be published in the Proceedings of the Engineering Foundation Conference on Fatigue and Corrosion Fatigue up to Ultrasonic Frequencies, Seven Springs Mountain Resort, Champion, PA, October 25-30, 1981, R.O. Ritchie, and S. Suresh (LBL and UCB) P.K. Liaw (Westinghouse R&D Center, PA) UC25
- LBL-13636 Report (O) Apparatus for Detecting Stable Fractional Charges on Matter, Nov. 1981, 31p. Submitted to *Rev. Sci. Instrum.*, G. Hirsch (LBL) R. Hagstrom (ANL) C.D. Hendricks (LLNL) UC34d
- LBL-13781 Report (H) Vibrational Linewidth Broadening Mechanisms in Liquids Revealed by the Separation of the Rapidly and Slowly Varying Intermolecular Forces, Mar. 1982, 31p. 4, S.M. George, A.L. Harris, M. Berg, and C.B. Harris (LBL and UCB) UC4
- LBL-13800 Report (I) Technique for Measuring Grain Boundary Mobility: Application to MgO-Doped Al<sub>2</sub>O<sub>3</sub>, Apr. 1982, 13p. Submitted to *J. Am. Ceram. Soc.*, A.M. Glaeser, and J.C. Chen (LBL and UCB) UC25
- LBL-13839 Report (I) The High Temperature Failure of Ceramics, Jan. 1982, 81p. To be published as a chapter in **Creep and Fracture of Engineering Materials**, Pineridge Press, Ltd., Swansea, UK, A.G. Evans (LBL and UCB) UC25
- LBL-14150 Report (O) Grain Boundaries and Solid Electrolyte Degradation, Mar. 1982, 15p. Submitted to *Adv. Ceram.*, L.C. DeJonghe, A. Buechele, and K.H. Yoon (LBL) UC94cc
- LBL-14180 Abstract (I) Loss of Coherency of Precipitates in Al-Si: An HVEM Study, Apr. 1982, 2p. Submitted for the Electron Microscopy Society of America Conference, Washington, DC, August 14-16, 1982, K.H. Westmacott, and U. Dahmen (LBL) UC37

- LBL-14192 Report (O) Prospects for the Development of Non-Noble Metal Catalysts for Hydrogen-Air Fuel Cells, Mar. 1982, 67p. 4, P.N. Ross, Jr., and F.T. Wagner (LBL) UC4
- LBL-14205 Report (H) System-Bath Decomposition of the Reaction Path Hamiltonian for Polyatomic Scattering; Quantum Perturbative Treatment, Mar. 1982, 22p. Submitted to *J. Chem. Phys.*, W.H. Miller, and S. Schwartz (UCB and LBL) UC4
- LBL-14206 Report (I) Determination of Dipole Coupling Constants using Heteronuclear Multiple Quantum NMR, Mar. 1982, 63p. Submitted to *J. Chem. Phys.*, D.P. Weitekamp, J.R. Garbow, and A. Pines (UCB and LBL) UC4
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- LBL-14214 Report (H) Gilbert N. Lewis and the Thermodynamics of Strong Electrolytes, Mar. 1982, 17p. Submitted to *J. Chem. Educ.*, K.S. Pitzer (UCB and LBL) UC4
- LBL-14247 Report (I) The Kinetics of Laser Pulse Vaporization of Uranium Dioxide by Mass Spectrometry, Mar. 1982, 6p. Submitted for the American Nuclear Society Winter Meeting, Washington, DC, November 14-19, 1982, C.-h. Tsai, and D.R. Olander (LBL and UCB) UC4
- LBL-14261 Report (H) Rare Gas-Halogen Atom Interaction Potentials from Crossed Molecular Beams Experiments:  $I(^2P_{3/2}) + Kr, Xe (^1S_0)$ , Mar. 1982, 35p. Submitted to *J. Chem. Phys.*, P. Casavecchia, G. He, R.K. Sparks, and Y.T. Lee (LBL and UCB) UC4
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- LBL-14287 Report (H) High Spin Electronic States of the Experimentally Observed Molecular Ions  $MnCH_2^+$  and  $CrCH_2^+$ , Apr. 1982, 8p. Submitted to *J. Phys. Chem.*, M.A. Vincent, Y. Yoshioka, and H.F. Schaefer, III (UCB and LBL) UC4
- LBL-14295 Report (I) A TEM Characterization of  $Mo_2C$  Precipitates in Molybdenum, Apr. 1982, 32p. M.S., J.-M. Lang (LBL and UCB) UC25
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- LBL-12699 Report (R) Influence of the Electron-Phonon Coupling on Superconducting Contact and the Properties of Superconductor-Semimetal (or Semiconductor) Systems, Jan. 1982, 49p. Published in *Phys. Rev. B*, Vol. 24, pp. 157-170, (1982), V.Z. Kresin (LBL) UC38
- LBL-12815 Report (R) Electronic Structure of Vinyoxy Radical  $CH_2CHO$ , July 1981, 21p. Submitted to *J. Chem. Phys.*, M. Dupuis, J.J. Wendoloski, and W.A. Lester, Jr. (LBL) UC4

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- LBL-12835 Report (S) Overview of Very High Energy Heavy Ions, June 1981, 13p. Presented at the Inter-Regional Program for Very High Energy Heavy Ions, Niels Bohr Institute, Copenhagen, Denmark, June 10, 1981, H.G. Pugh (LBL) UC28,34d
- LBL-14035 Report (S) High-Energy Nuclear Collisions, Feb. 1982, 176p. To be published as a chapter in **Advances in Nuclear Physics**, Plenum Pub. Corp., New York, NY, S. Nagamiya (U. of Tokyo and LBL) M. Gyulassy (LBL) UC34c
- LBL-14050 Report (S) Observation of New Spontaneous Fission Activities from Elements 100 to 105, Mar. 1982, 136p. Ph.D., L.P. Somerville (LBL) UC34c
- LBL-14059 Report (S) The Target Nucleus in Relativistic Nuclear Collisions, Mar. 1982, 26p. Presented at the MARIA Heavy Ion Workshop, Banff, Alberta, Canada, February 22-26, 1982, H.H. Gutbrod, A.I. Warwick, and H. Wieman (GSI and LBL) UC34c,34d
- LBL-14062 Report (S) The Hyperon Composition of Neutron Stars, Apr. 1982, 13p. Submitted to *Phys. Lett.*, N.K. Glendenning (LBL) UC34b,34d
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- LBL-14073 Report (S) The Nature of Nuclear Dynamics, Apr. 1982, 12p. Introductory Remarks given at the Winter Workshop on Nuclear Dynamics, Granlibakken, Tahoe City, CA, February 21-26, 1982; and to be published in the Proceedings, W.J. Swiatecki (LBL) UC34d
- LBL-14101 Report (S) Particle Angular Distributions and Gamma-Ray Multiplicities as Experimental Probes for Angular Momentum Fluctuations, Mar. 1982, 62p. Presented at the 20th International Meeting on Nuclear Physics, Bormio, Italy, January 25-29, 1982, L.G. Moretto (LBL) UC34c,34d
- LBL-14137 Report (S) Statistical Fluctuations in Heavy Ion Collisions, Feb. 1982, 28p. Presented at the International Conference on Fission and Related Phenomena, Baden Honnef, W. Germany, October 26-30, 1981, L.G. Moretto (LBL) UC34c,34d
- LBL-14138 Report (S) Workshop on Nuclear Dynamics, 22-26 February 1982, Granlibakken, Tahoe City, California, Apr. 1982, 149p. 34c, Various UC34c
- LBL-14179 Report (S) Calculation of Complete Multi-Fragment Events in a Statistical Model for Nuclear Disassembly, Mar. 1982, 14p. Submitted to *Phys. Lett. B*, J. Randrup (LBL) G. Fai (Eötvös Univ., Hungary) UC34d
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- LBL-14229 Report (S) A Measurement of "Subthreshold" Production of  $\text{K}^-$  and Antiprotons in Relativistic Nuclear Collisions, Mar. 1982, 14p. Submitted to *Phys. Rev. Lett.*, A. Shor (LBL and UCLA) K. Ganezer, S. Abachi, J. Carrol, J. Geaga, and G. Igo (UCLA) P. Lindstrom, T. Mulera, V. Perez-Mendez, A. Sagle, and F. Zarbakhsh (LBL) D. Woodard (Calif. State Univ., Hayward, CA) UC34c,34d
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- LBL-12760 Report (F) Physics, Computer Science and Mathematics Division, Annual Report 1980, Dec. 1981, 79p. 34, Various (LBL) UC34
- LBL-13654 Report (F) Universality and Strange Attractors in Internal Wave Dynamics, Feb. 1982, 84p. Submitted to *J. Fluid Mech.*, H.D.I. Abarbanel (LBL) UC34b
- LBL-13856 Report (F) Physics of Intermediate Vector Bosons, Jan. 1982, 99p. Submitted for publication, J. Ellis (CERN, Switzerland) M.K. Gaillard (LBL and UCB) G. Girardi, and P. Sorba (L.A.P.P., France) UC34d
- LBL-14044 Report (F) High Spatial Resolution MWPC for Medical Imaging with Positron Emitters, Mar. 1982, 27p. Submitted for the International Conference on "Applications of Physics to Medicine and Biology" Trieste, Italy, March 30 - April 3, 1982; and to be published in the Proceedings, A. Del Guerra (Pisa, Italy) V. Perez-Mendez, G. Schwartz, and B. Sleaford (LBL) UC37
- LBL-14099 Report (F) Measurement of the Branching Fraction for the Cabibbo-Suppressed Decay  $\tau^- \rightarrow K^- \nu_\tau$ , Feb. 1982, 6p. Submitted to *Phys. Rev. Lett.*, C.A. Blocker, G.S. Abrams, M.S. Alam, A. Blondel, A.M. Boyarski, M. Breidenbach, D.L. Burke, W.C. Carithers, W. Chinowsky, M.W. Coles, S. Cooper, W.E. Dieterle, J.B. Dillon, J.M. Dorfan, J. Dorenbosch, M.W. Eaton, G.J. Feldman, M.E.B. Franklin, G. Gidal, G. Goldhaber, G. Hanson, K.G. Hayes, T. Himel, D.G. Hitlin, R.J. Hollebeek, W.R. Innes, J.A. Jaros, P. Jenni, A.D. Johnson, J.A. Kadyk, A.J. Lankford, R.R. Larsen, M. Levi, V. Lüth, R.E. Millikan, M.E. Nelson, C.Y. Pang, J.F. Patrick, M.L. Perl, B. Richter, A. Roussarie, D.L. Scharre, R.H. Schindler, R.F. Schwitters, J.L. Siegrist, J. Strait, H. Taureg, M. Tonutti, G.H. Trilling, E.N. Vella, R.A. Vidal, I. Videau, J.M. Weiss, and H. Zaccane (SLAC, LBL and UCB) UC34c,34d
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