TABLES OF LIGHT-FRAGMENT INCLUSIVE CROSS SECTIONS IN RELATIVISTIC HEAVY-ION COLLISIONS

(PART I)

C + C, C + Pb, Ne + NaF, Ne + Cu, Ne + Pb →
$\pi^{\pm}$, p, d, t, ^{3}He; E_{BEAM} = 800 MeV/A.

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* On leave from CEN de Saclay, France.

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NOTE that cross section values listed here contain statistical error only. Additional systematic error is (20-30)%.

INCLUSIVE INVARIANT CROSS-SECTIONS FOR π^- PRODUCTION IN THE REACTIONS:

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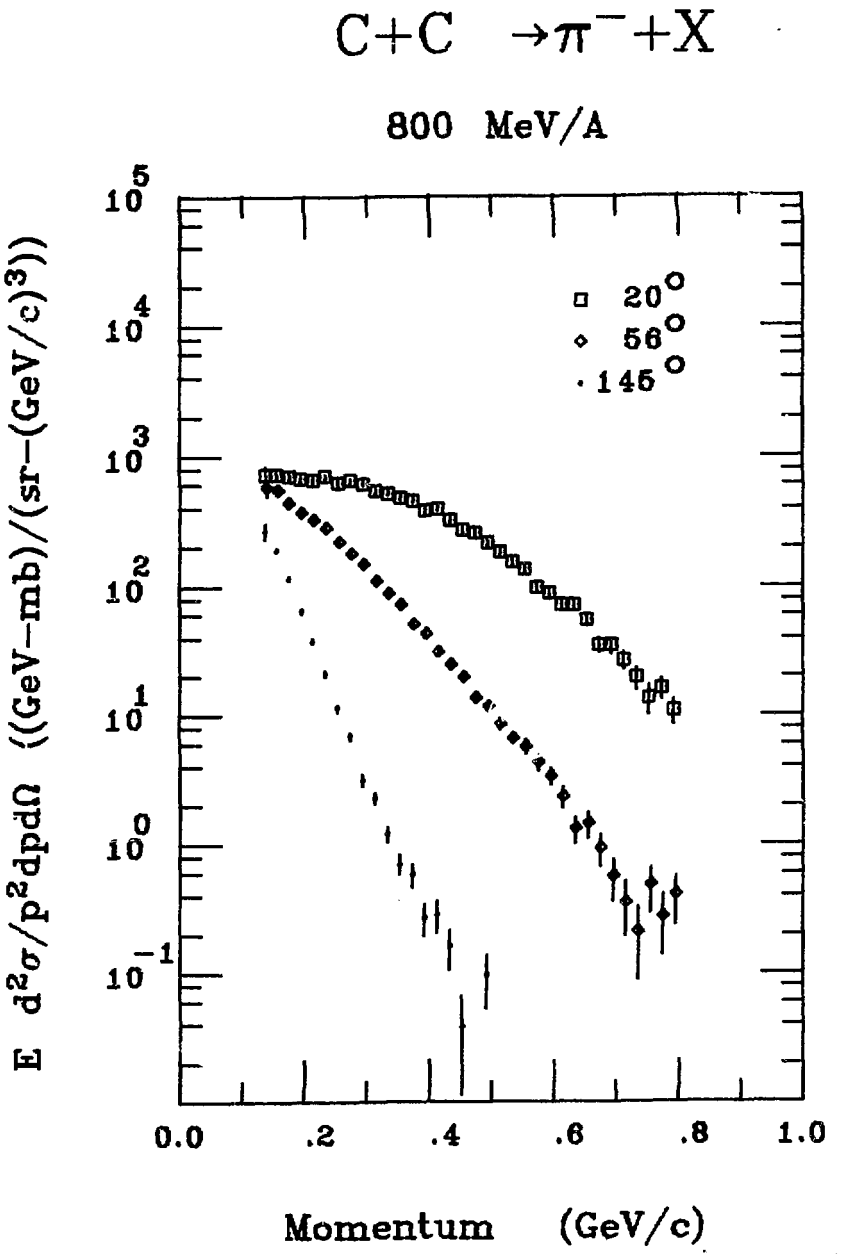

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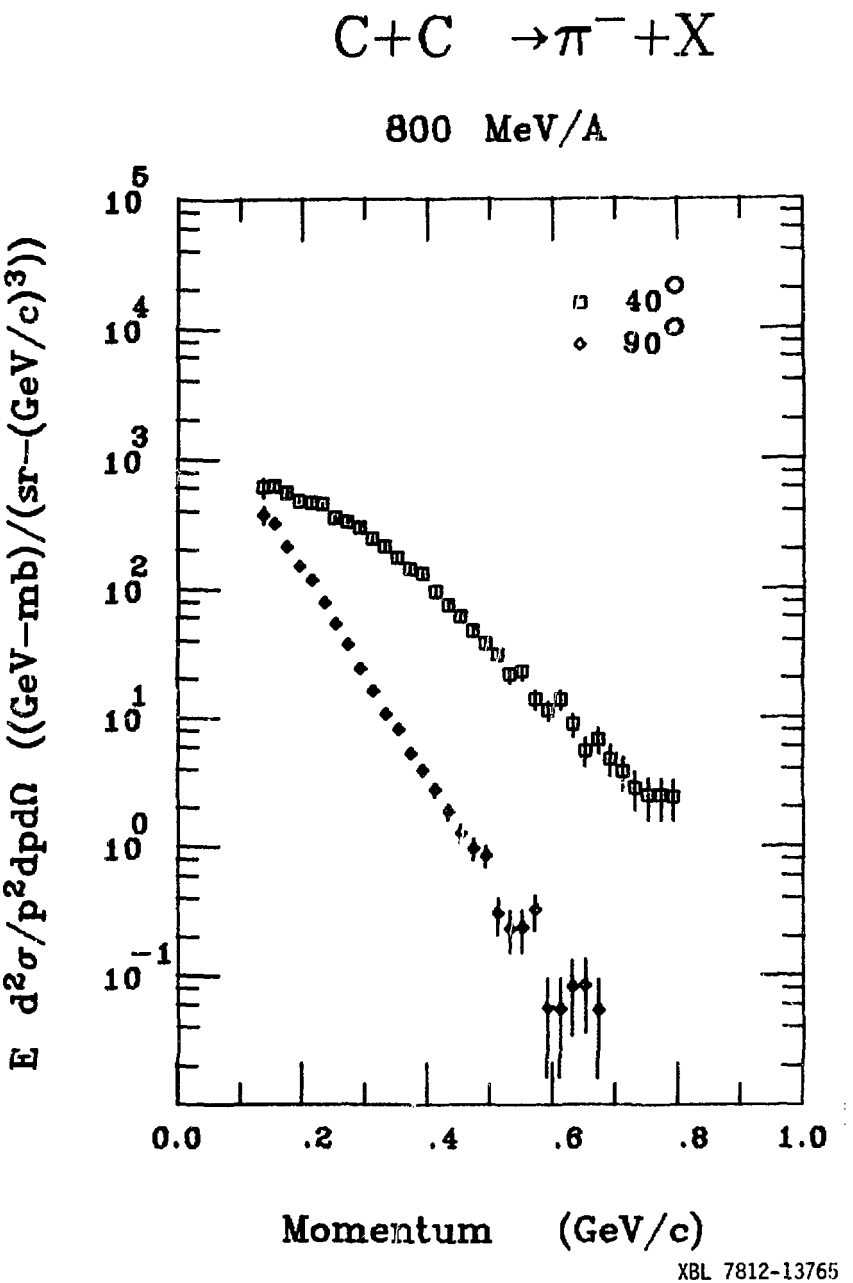

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C + C TO PI- INCLUSIVE 0.80 GEV/A

20DEG RUNS 240 241 243

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
104	0.00+-	0.00	120	0.00+-	0.00	137	712.49+-	115.43	156	718.40+-	45.17
175	707.75+-	37.41	194	672.65+-	31.86	214	657.22+-	30.40	234	693.14+-	29.59
254	619.10+-	26.95	274	649.70+-	24.71	294	611.30+-	22.66	314	534.89+-	20.89
334	510.58+-	19.19	354	473.46+-	18.17	374	453.68+-	18.06	394	3[illegible]0.58+-	16.95
414	391.04+-	15.87	434	319.13+-	14.48	454	268.29+-	13.20	474	250.97+-	13.28
494	212.99+-	11.96	514	180.14+-	10.33	534	150.85+-	9.77	554	133.52+-	9.18
574	95.56+-	7.85	594	86.55+-	7.00	614	72.29+-	6.87	634	71.14+-	6.29
654	55.16+-	5.52	674	35.00+-	4.37	694	34.70+-	4.34	714	26.88+-	3.80
734	19.66+-	4.05	754	13.59+-	3.60	774	16.24+-	2.92	794	10.90+-	2.38

40DEG RUNS 237 239

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
106	0.00+-	0.00	121	0.00+-	0.00	138	600.41+-	93.54	156	618.84+-	32.47
175	544.44+-	24.65	195	475.40+-	20.35	214	459.09+-	18.75	234	445.47+-	17.21
254	346.60+-	14.47	274	327.11+-	13.45	294	295.52+-	12.23	314	241.50+-	10.45
334	210.02+-	9.57	354	170.68+-	8.49	374	140.88+-	7.56	394	129.71+-	7.19
414	93.47+-	6.02	434	72.7[illegible]+-	5.30	454	60.04+-	4.74	474	47.02+-	4.21
494	37.53+-	3.66	514	31.03+-	3.31	534	21.60+-	2.74	554	22.66+-	2.85
574	13.97+-	2.18	594	11.47+-	1.97	614	14.04+-	2.17	634	8.94+-	1.72
654	5.58+-	1.35	674	6.84+-	1.49	694	4.84+-	1.25	714	3.84+-	1.11
734	2.86+-	.95	754	2.52+-	.89	774	2.49+-	.88	794	2.47+-	.87

56DEG RUNS 244 246

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
108	0.00+-	0.00	123	0.00+-	0.00	140	573.51+-	81.94	157	541.54+-	14.61
176	442.01+-	10.77	196	370.50+-	8.45	215	322.17+-	7.27	235	280.10+-	6.39
255	218.78+-	5.42	275	177.52+-	4.67	295	147.17+-	4.02	315	110.51+-	3.35
335	87.16+-	2.87	355	72.04+-	2.56	375	51.24+-	2.13	395	42.76+-	2.00
415	30.56+-	1.61	435	24.40+-	1.42	455	19.82+-	1.27	475	13.75+-	1.17
495	11.81+-	.96	515	8.47+-	.81	535	6.68+-	.72	555	5.77+-	.66
575	4.35+-	.57	595	3.42+-	.50	615	2.36+-	.42	635	1.31+-	.31
655	1.45+-	.32	675	.93+-	.26	695	.57+-	.20	715	.35+-	.16
735	.21+-	.12	755	.49+-	.18	775	.27+-	.14	795	.41+-	.17

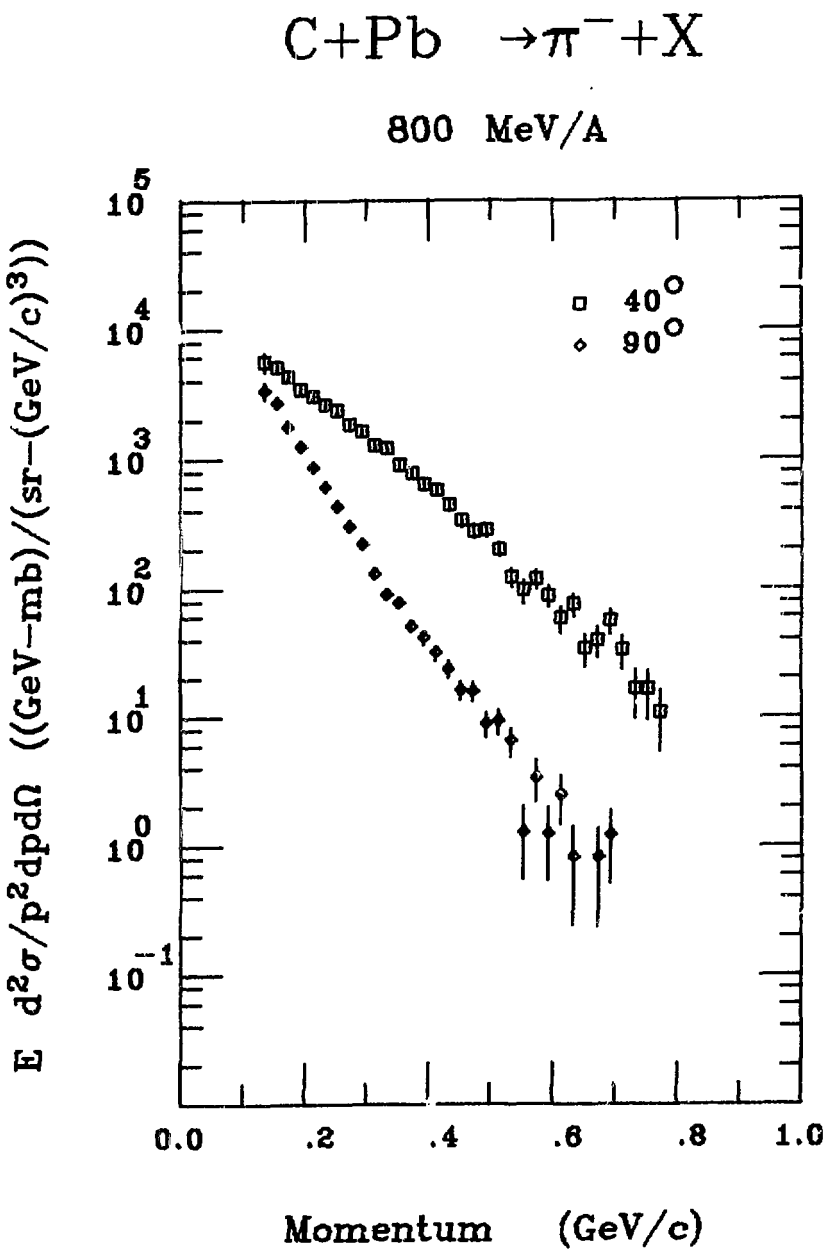
C + C TO PI- INCLUSIVE 0.80 GEV/A

90DEG RUNS 232 233 235

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
106	0.00+-	0.00	122	0.00+-	0.00	138	371.26+-	52.42	157	316.01+-	6.87
176	208.45+-	4.51	195	147.14+-	3.29	215	115.83+-	2.73	235	76.73+-	2.09
254	53.86+-	1.66	274	36.88+-	1.34	294	24.33+-	1.02	314	16.25+-	.79
334	10.55+-	.62	354	8.16+-	.54	374	5.33+-	.43	394	3.93+-	.36
414	2.76+-	.30	434	1.86+-	.24	454	1.27+-	.20	474	.97+-	.17
494	.86+-	.16	514	.31+-	.10	534	.24+-	.08	554	.24+-	.08
574	.33+-	.10	594	.06+-	.04	614	.06+-	.04	634	.08+-	.05
654	.09+-	.05	674	.05+-	.04	694	.03+-	.03	714	0.00+-	0.00

145DEG RUNS 247 248 250 251

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
105	0.00+-	0.00	121	0.00+-	0.00	138	266.85+-	37.59	156	190.20+-	4.60
175	115.54+-	2.73	195	64.27+-	1.90	214	37.76+-	1.33	234	21.23+-	.98
254	11.36+-	.72	274	6.88+-	.45	294	3.18+-	.29	314	2.30+-	.23
334	1.20+-	.17	354	.70+-	.12	374	.58+-	.11	394	.27+-	.08
414	.28+-	.08	434	.16+-	.06	454	.04+-	.03	474	.02+-	.02
494	.09+-	.04	514	0.00+-	0.00	534	0.00+-	0.00	554	.02+-	.02



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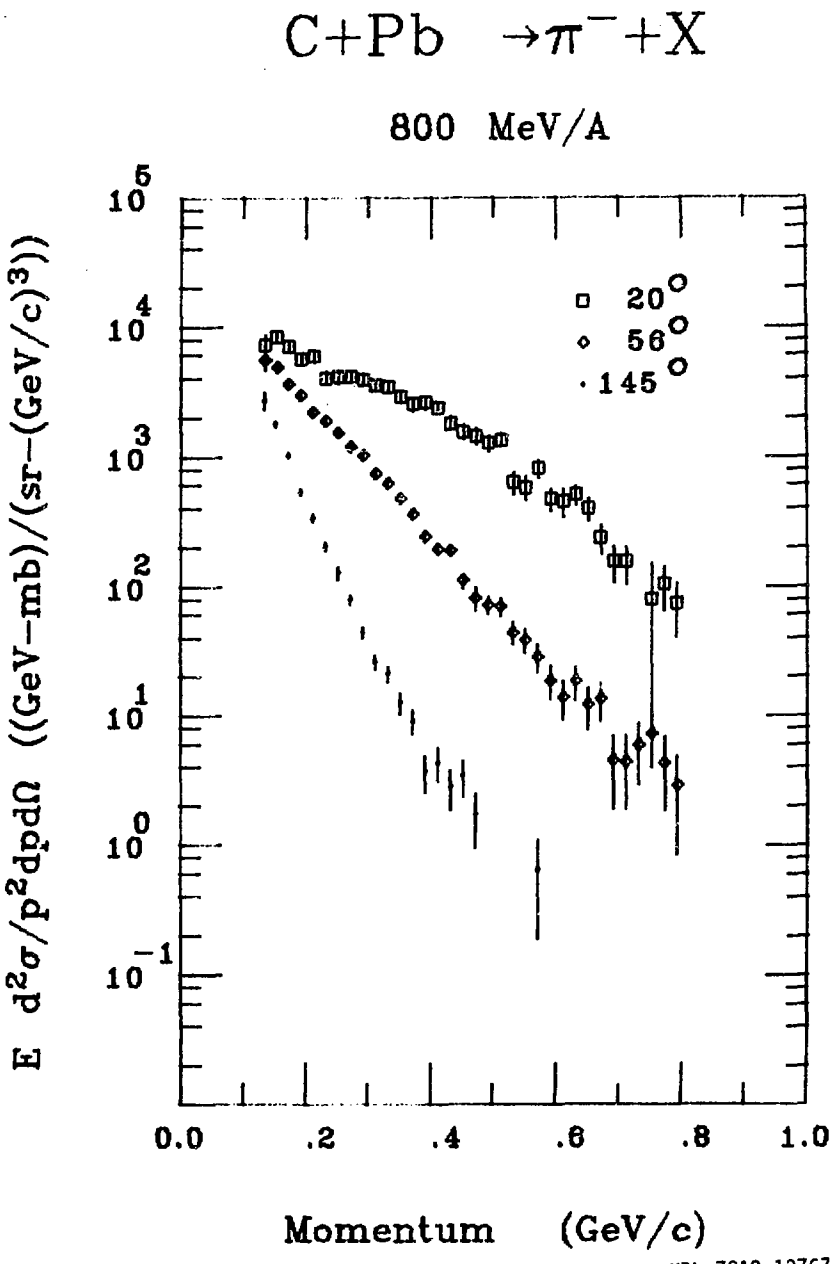

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C +PB TO PI- INCLUSIVE 0.80 GEV/A
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20DEG RUNS 242 243

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
101	0.00+-	0.00	118	0.00+-	0.00	136	7202.42+-	1419.81	154	8387.27+-	822.44
174	7009.00+-	651.57	193	5615.79+-	511.27	213	5874.60+-	527.97	233	4010.63+-	446.09
253	4047.98+-	433.91	273	4076.67+-	344.03	293	3886.46+-	305.35	313	3506.81+-	315.17
333	3438.34+-	266.07	353	2865.39+-	238.78	373	2520.92+-	248.68	393	2597.06+-	271.69
413	2388.65+-	209.50	433	1822.54+-	196.25	453	1559.44+-	181.82	473	1456.26+-	203.19
493	1275.94+-	179.39	513	1350.92+-	151.04	533	638.26+-	124.71	553	581.53+-	119.94
573	820.05+-	134.41	593	468.35+-	86.97	613	452.23+-	108.39	633	507.23+-	89.67
653	392.76+-	78.55	673	233.61+-	60.32	693	154.40+-	48.83	713	153.08+-	48.41
733	34.45+-	67.73	753	79.29+-	72.02	773	104.40+-	39.46	793	73.91+-	33.05

40DEG RUNS 238 239

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
102	0.00+-	0.00	118	0.00+-	0.00	136	5601.35+-	869.67	155	5074.66+-	277.76
174	4329.71+-	205.02	193	3443.85+-	167.07	213	3001.43+-	150.83	233	2635.62+-	125.13
253	2361.56+-	115.38	273	1833.25+-	99.10	293	1638.35+-	88.66	313	1283.06+-	74.59
333	1196.60+-	70.75	353	903.34+-	61.32	373	782.51+-	53.87	393	631.95+-	49.54
413	577.57+-	45.49	433	434.59+-	41.12	453	330.54+-	34.51	473	274.31+-	33.43
493	280.07+-	29.52	513	199.55+-	24.75	533	121.28+-	19.18	553	95.68+-	19.99
573	118.63+-	18.76	593	88.09+-	16.08	613	58.17+-	13.01	633	74.93+-	14.69
653	34.28+-	9.89	673	39.64+-	10.59	693	56.15+-	12.55	713	33.40+-	9.64
733	16.56+-	6.76	753	16.41+-	6.70	773	10.85+-	5.42	793	2.69+-	2.69

56DEG RUNS 245 246

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
103	0.00+-	0.00	119	0.00+-	0.00	136	5445.44+-	804.07	155	4811.03+-	209.33
174	3577.18+-	149.92	194	2930.29+-	112.14	214	2198.66+-	87.88	233	1903.27+-	77.00
253	1508.04+-	67.73	273	1182.23+-	57.60	293	1019.81+-	48.95	313	739.71+-	41.85
333	625.30+-	35.51	353	467.93+-	30.20	373	363.33+-	26.22	393	242.81+-	24.54
413	194.49+-	18.71	433	186.98+-	18.16	453	110.83+-	13.85	473	81.30+-	16.45
493	72.16+-	11.00	513	69.53+-	10.73	533	44.15+-	8.50	553	38.80+-	7.92
573	28.79+-	6.79	593	19.00+-	5.49	613	14.12+-	4.71	633	18.65+-	5.38
653	12.32+-	4.36	673	13.75+-	4.58	693	4.54+-	2.62	713	4.50+-	2.60
733	5.95+-	2.98	753	7.38+-	3.30	773	4.39+-	2.53	793	2.90+-	2.05

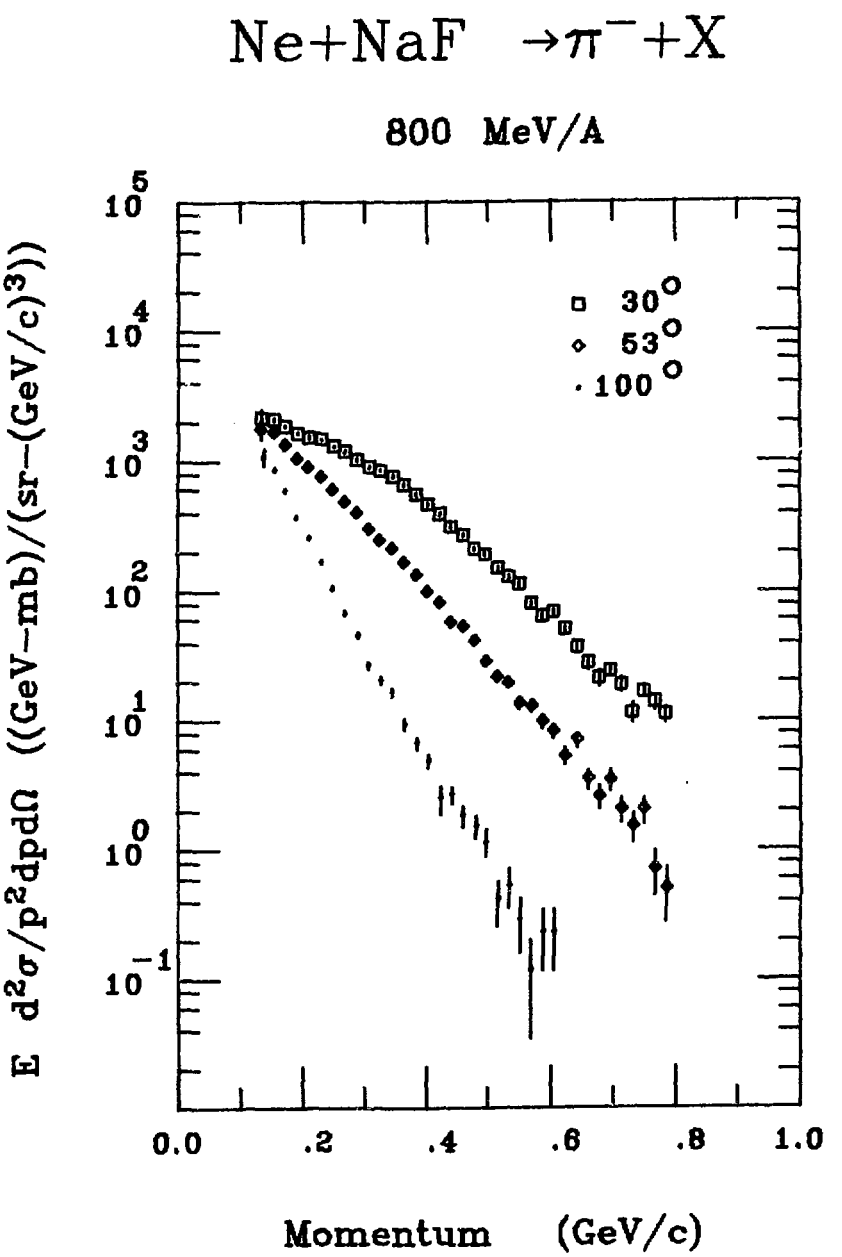
C +PB TO PI- INCLUSIVE 0.80 GEV/A

90DEG RUNS 234 235

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
102	0.00+-	0.00	118	0.00+-	0.00	136	3375.82+-	481.60	155	2652.14+-	79.20
174	1777.76+-	51.80	193	1237.37+-	36.58	213	859.18+-	28.43	233	610.15+-	22.57
253	423.07+-	17.83	273	304.65+-	15.94	293	220.98+-	11.79	313	130.90+-	8.58
333	90.24+-	6.98	353	77.30+-	6.35	373	51.20+-	5.09	393	41.47+-	4.52
413	31.35+-	3.89	433	23.62+-	3.34	453	16.23+-	2.74	473	15.97+-	2.70
493	8.99+-	2.01	513	9.31+-	2.03	533	6.57+-	1.70	553	1.30+-	.75
573	3.43+-	1.21	593	1.27+-	.73	613	2.52+-	1.03	633	.83+-	.59
733	0.00+-	0.00	753	0.00+-	0.00	773	.39+-	.39	793	.39+-	.39

145DEG RUNS 249 251

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
101	0.00+-	0.00	118	0.00+-	0.00	136	2703.05+-	385.05	154	1787.67+-	71.99
174	1027.82+-	37.80	193	536.87+-	29.02	213	337.30+-	19.82	233	203.07+-	15.76
253	125.33+-	12.98	273	78.82+-	6.39	293	43.87+-	4.57	313	25.96+-	3.32
333	21.28+-	2.95	353	12.66+-	2.24	373	9.21+-	1.88	393	3.74+-	1.18
413	4.38+-	1.27	433	2.86+-	1.01	453	3.51+-	1.11	473	1.73+-	.77
573	.65+-	.46	593	.32+-	.32	613	0.00+-	0.00	633	0.00+-	0.00



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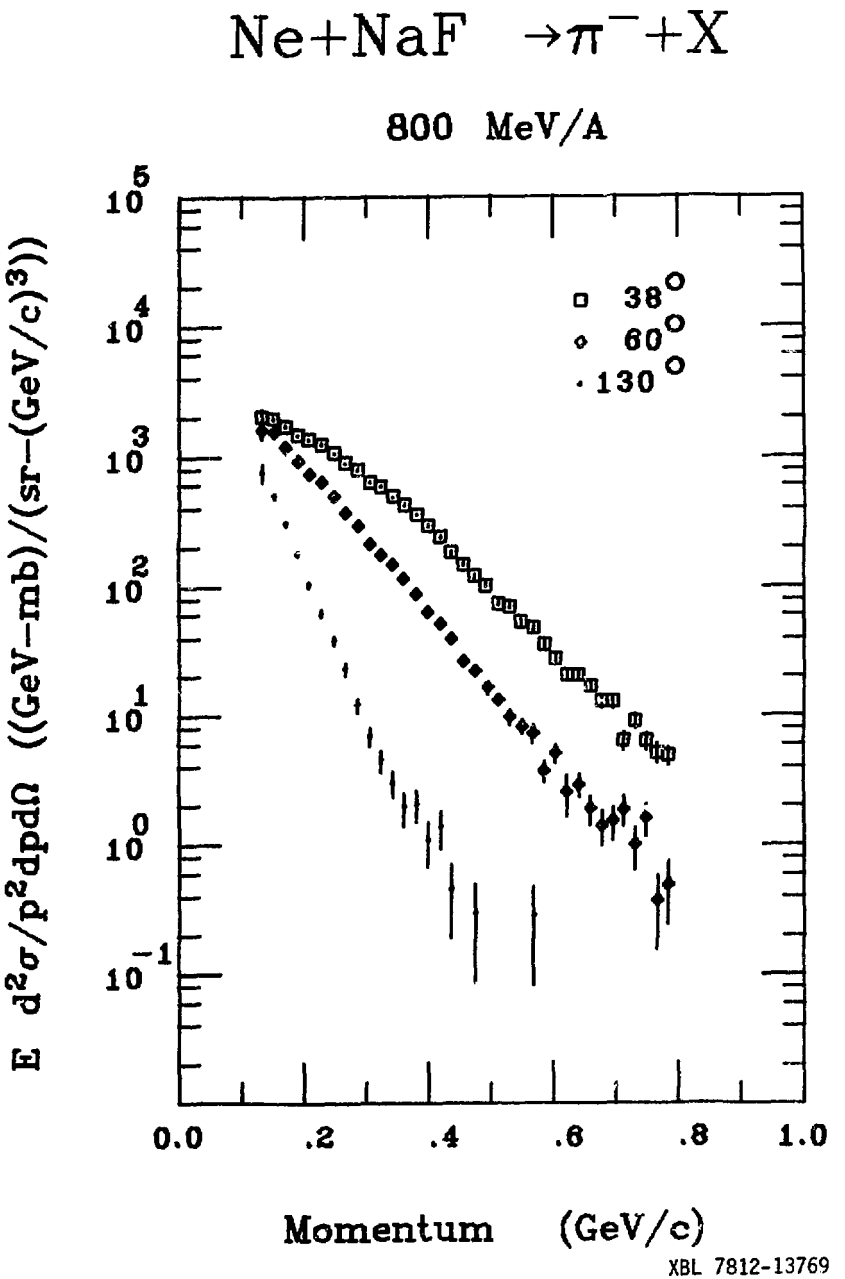

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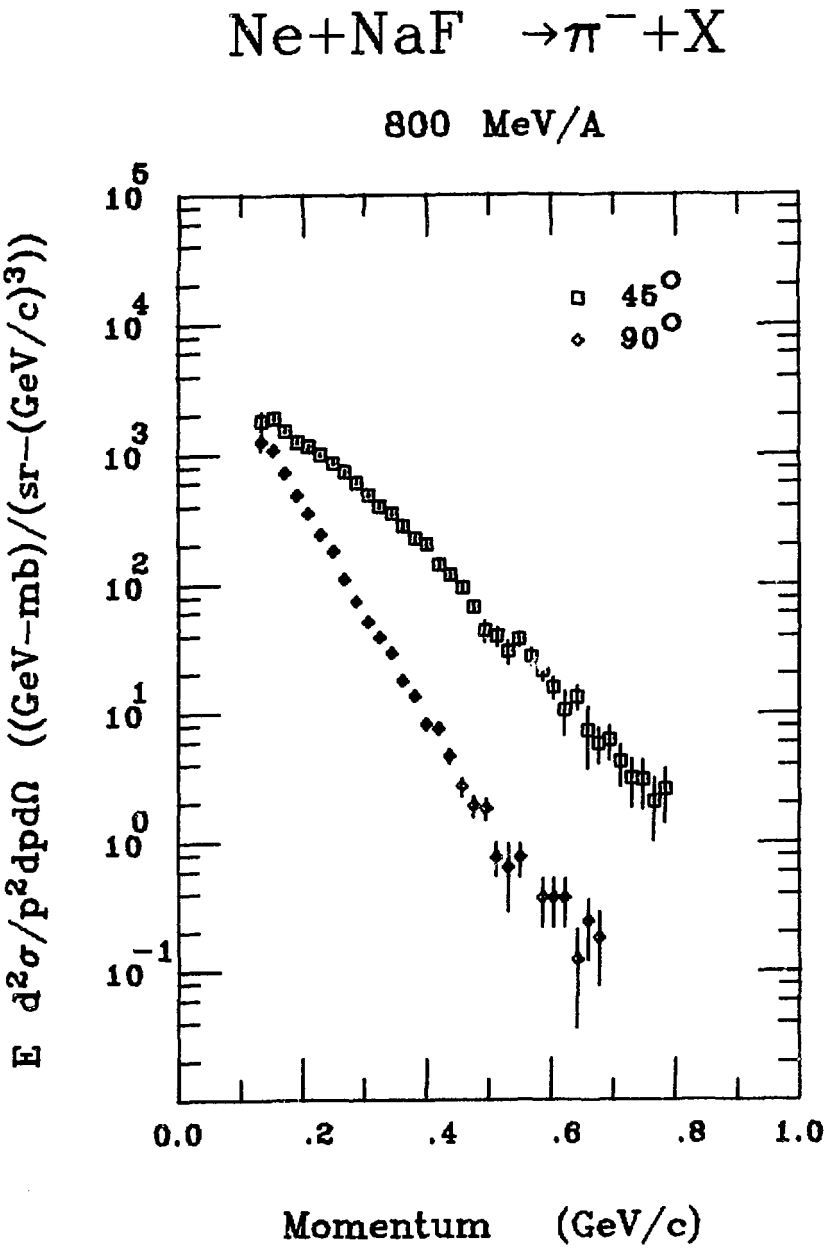

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NE +NAF TO PI- INCLUSIVE 0.80 GEV/A
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30DEG RUNS 901 905

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	2142.85+-	322.45	152	2080.31+-	53.03
171	1863.06+-	38.45	190	1650.15+-	31.27	210	1513.62+-	29.11	229	1466.93+-	26.51
248	1289.86+-	23.37	267	1181.65+-	21.48	287	1019.97+-	19.53	306	899.66+-	17.35
325	843.48+-	16.23	344	750.51+-	15.17	363	647.73+-	14.28	382	544.31+-	12.81
401	457.14+-	11.62	420	390.01+-	10.31	438	313.34+-	9.41	457	266.80+-	8.63
476	208.20+-	7.39	494	189.21+-	6.92	513	145.77+-	6.14	531	125.56+-	6.03
550	111.21+-	5.11	568	79.11+-	4.35	587	63.36+-	3.70	605	68.05+-	4.03
623	50.46+-	3.28	641	36.70+-	3.07	659	27.75+-	3.01	677	21.08+-	2.75
695	24.33+-	2.26	713	18.90+-	2.34	731	11.54+-	1.98	749	16.75+-	1.86
767	13.79+-	1.69	784	11.07+-	1.51	802	0.00+-	0.00	820	0.00+-	0.00

38DEG PUNS 913 915 916

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	2019.48+-	301.39	152	2002.91+-	40.18
171	1733.15+-	28.07	190	1462.74+-	22.91	210	1362.57+-	20.46	229	1242.08+-	18.33
248	1060.62+-	16.19	267	891.18+-	14.19	287	796.38+-	12.83	306	641.63+-	10.88
325	593.27+-	10.30	344	490.88+-	9.23	363	428.07+-	8.42	382	362.58+-	7.67
401	293.73+-	6.83	420	239.22+-	6.13	438	182.42+-	5.24	457	148.94+-	4.71
476	119.78+-	4.20	494	102.65+-	3.94	513	74.24+-	3.34	531	70.70+-	3.22
550	53.10+-	2.84	568	48.31+-	2.63	586	35.72+-	2.30	605	27.91+-	1.94
623	20.65+-	1.73	641	20.75+-	1.67	659	16.98+-	1.57	677	12.88+-	1.34
695	12.85+-	1.38	713	6.49+-	1.11	731	9.15+-	1.14	749	6.41+-	.96
767	5.21+-	.88	784	4.91+-	.80	802	0.00+-	0.00	820	0.00+-	0.00

45DEG RUNS 892 893 896

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	1785.93+-	279.35	152	1902.05+-	73.65
171	1523.58+-	52.62	190	1255.75+-	43.62	210	1149.20+-	39.48	229	993.90+-	34.20
248	863.09+-	28.91	267	733.71+-	25.07	287	607.43+-	23.26	306	489.63+-	18.95
325	401.01+-	17.34	344	353.92+-	16.11	363	281.08+-	14.33	382	224.98+-	12.85
401	202.03+-	11.64	420	140.79+-	9.80	438	118.88+-	9.02	457	94.89+-	7.43
476	66.64+-	6.19	494	43.77+-	8.17	513	39.79+-	6.56	531	29.89+-	6.07
550	37.66+-	4.57	568	27.46+-	3.88	587	21.34+-	3.42	605	15.74+-	2.92
623	10.70+-	3.91	641	13.35+-	2.67	659	7.40+-	3.64	677	5.89+-	1.78
695	6.34+-	1.83	713	4.20+-	1.48	731	3.15+-	1.29	749	3.10+-	1.27
767	2.09+-	1.04	784	2.60+-	1.16	802	0.00+-	0.00	820	0.00+-	0.00

NE +NAF TO PI- INCLUSIVE 0.80 GEV/A

53DEG RUNS 922 918 920

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	1753.11+-	261.22	153	1656.73+-	32.22
171	1321.16+-	21.88	191	1050.78+-	17.02	210	904.83+-	14.76	229	752.92+-	12.69
248	606.07+-	10.79	268	489.55+-	9.26	287	395.44+-	8.01	306	305.06+-	6.55
325	248.95+-	5.93	344	211.92+-	5.32	363	167.79+-	4.65	382	132.52+-	4.10
401	99.93+-	3.53	420	81.06+-	3.19	439	57.37+-	2.64	457	52.59+-	2.47
476	41.29+-	2.20	495	28.94+-	1.85	513	21.91+-	1.59	532	19.65+-	1.51
550	13.61+-	1.28	568	12.84+-	1.21	587	9.74+-	1.02	605	8.19+-	.93
623	5.36+-	.78	641	7.08+-	.90	659	3.56+-	.61	677	2.61+-	.52
695	3.49+-	.63	713	2.07+-	.46	731	1.54+-	.40	749	2.05+-	.46
767	.71+-	.27	785	.51+-	.23	802	0.00+-	0.00	820	0.00+-	0.00

60DEG RUNS 897 900

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	1605.68+-	240.21	153	1563.28+-	34.05
172	1181.15+-	23.08	191	931.31+-	17.84	210	739.26+-	15.07	229	633.07+-	12.89
248	491.21+-	10.70	268	371.84+-	9.08	287	295.39+-	7.61	306	212.11+-	6.38
325	175.37+-	5.69	344	145.60+-	4.93	363	115.07+-	4.27	382	87.27+-	3.60
401	63.93+-	3.05	420	51.76+-	2.84	439	39.42+-	2.36	457	26.37+-	2.06
476	22.36+-	1.75	495	16.41+-	1.67	513	13.44+-	1.34	532	9.85+-	1.37
550	8.33+-	1.05	568	7.34+-	1.23	587	3.79+-	.70	605	5.19+-	.82
623	2.57+-	.92	641	2.95+-	.62	660	1.92+-	.49	678	1.40+-	.42
696	1.52+-	.44	714	1.89+-	.49	731	1.00+-	.35	749	1.62+-	.45
767	.37+-	.22	785	.49+-	.25	802	0.00+-	0.00	820	0.00+-	0.00

90DEG RUNS 906 910

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	1254.19+-	186.48	153	1073.65+-	20.32
172	716.22+-	12.30	191	486.19+-	8.91	210	346.71+-	7.11	229	240.21+-	5.57
248	177.31+-	4.47	268	108.49+-	3.41	287	72.94+-	2.73	306	50.99+-	2.09
325	38.78+-	1.80	344	29.02+-	1.55	363	17.71+-	1.23	382	13.50+-	.98
401	8.19+-	.76	420	7.63+-	.72	439	4.74+-	.57	457	2.74+-	.43
476	1.91+-	.35	495	1.83+-	.35	513	.78+-	.22	532	.64+-	.35
550	.76+-	.22	568	.32+-	.31	587	.38+-	.15	605	.37+-	.15
623	.37+-	.15	641	.12+-	.09	660	.25+-	.12	678	.18+-	.11
767	.06+-	.06	785	.06+-	.06	802	0.00+-	0.00	820	0.00+-	0.00

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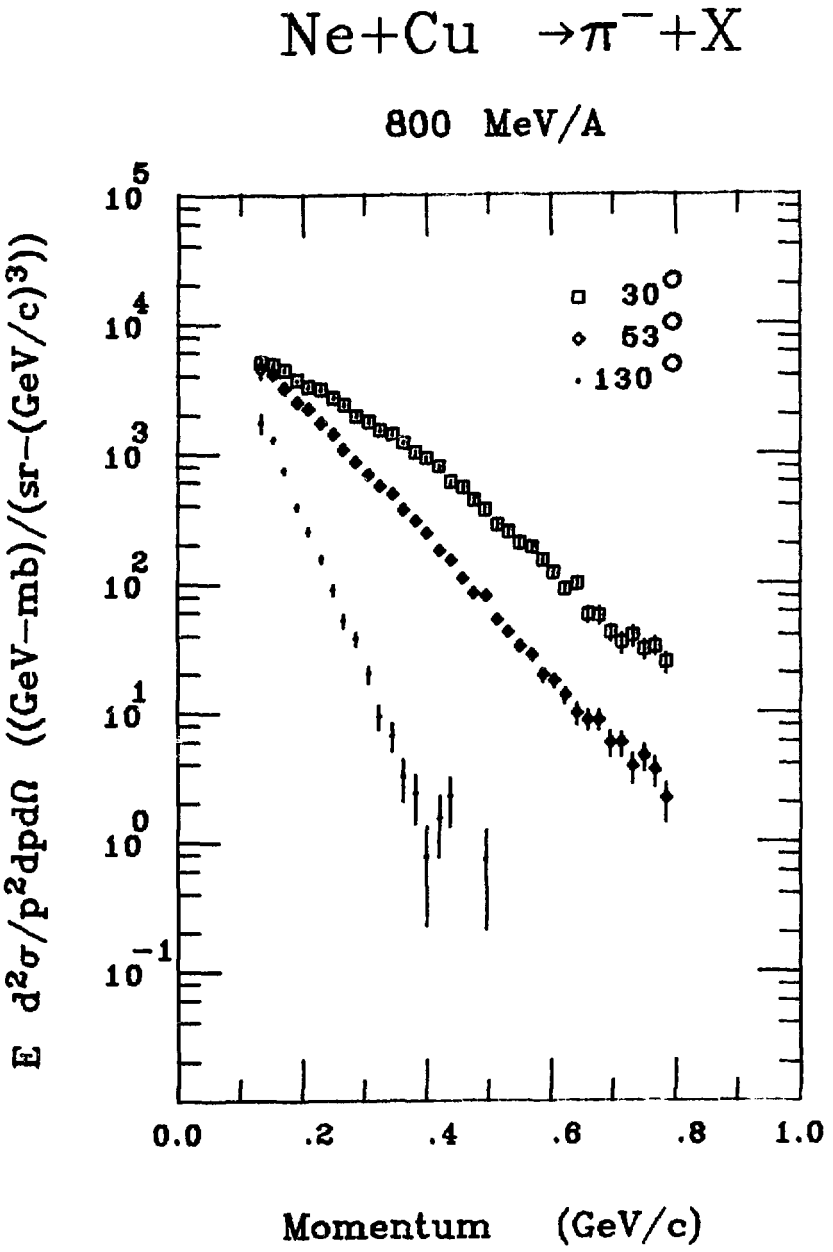
100DEG RUNS 923 926

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
105	0.00+-	0.00	120	0.00+-	0.00	137	1078.99+-	160.69	155	862.14+-	18.30
173	584.87+-	10.95	192	365.04+-	7.54	211	254.26+-	6.08	231	167.12+-	4.50
250	104.81+-	3.60	269	66.99+-	2.63	288	45.69+-	2.38	307	27.13+-	1.70
326	20.70+-	1.32	346	16.65+-	1.08	365	9.40+-	.94	383	6.73+-	.67
402	4.91+-	.56	421	2.49+-	.61	440	2.69+-	.41	459	1.85+-	.34
477	1.52+-	.30	496	1.15+-	.26	514	.42+-	.16	533	.53+-	.18
551	.29+-	.13	570	.12+-	.08	588	.23+-	.12	606	.23+-	.12

130DEG RUNS 972 974

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	752.18+-	114.84	153	504.60+-	19.36
171	307.64+-	12.17	190	177.91+-	7.95	210	104.12+-	5.71	229	62.34+-	4.14
248	38.52+-	3.12	268	23.33+-	2.35	287	12.20+-	1.57	306	7.03+-	1.13
325	4.52+-	.89	344	3.03+-	.71	363	1.97+-	.57	382	2.08+-	.58
401	1.10+-	.41	420	1.39+-	.46	438	.45+-	.26	457	.15+-	.15
476	.30+-	.21	494	.15+-	.15	513	0.00+-	0.00	532	0.00+-	0.00
550	.14+-	.14	568	.28+-	.20	587	0.00+-	0.00	605	0.00+-	0.00



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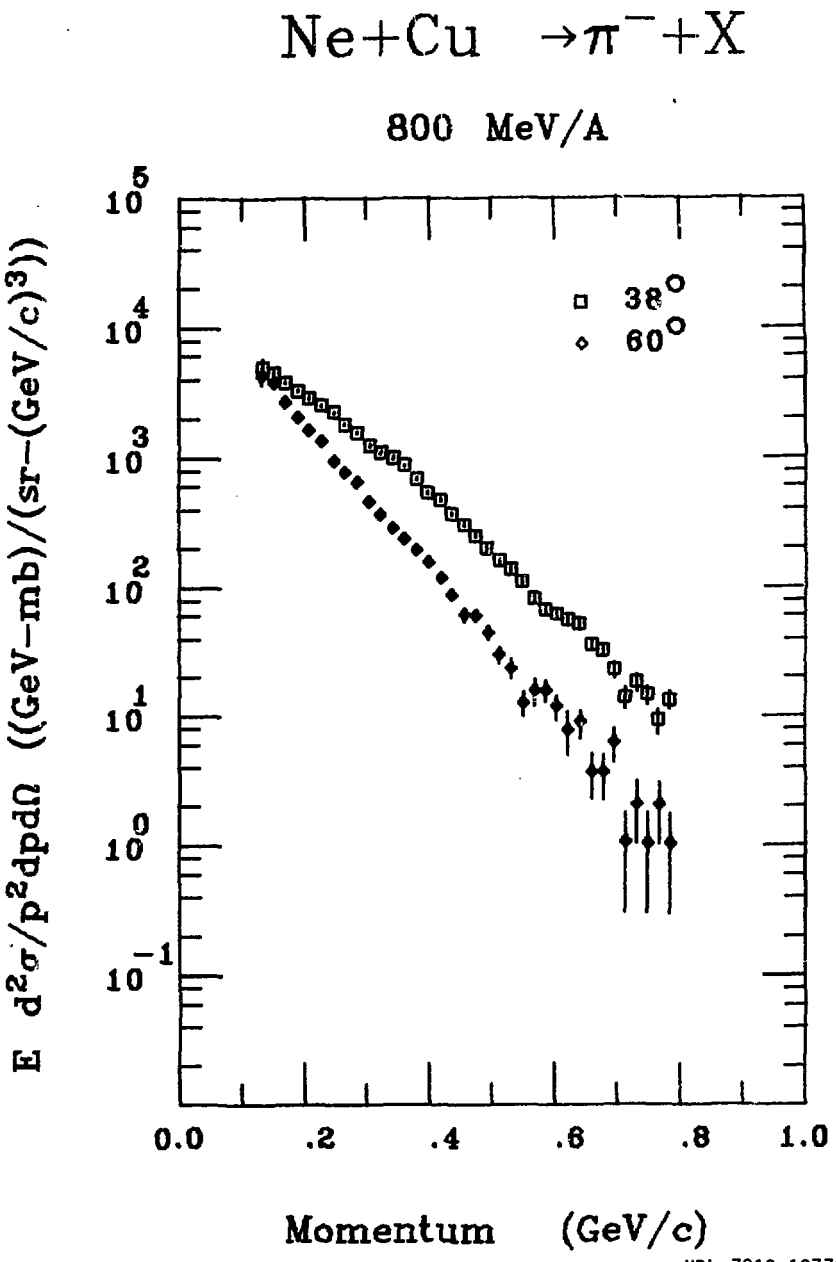

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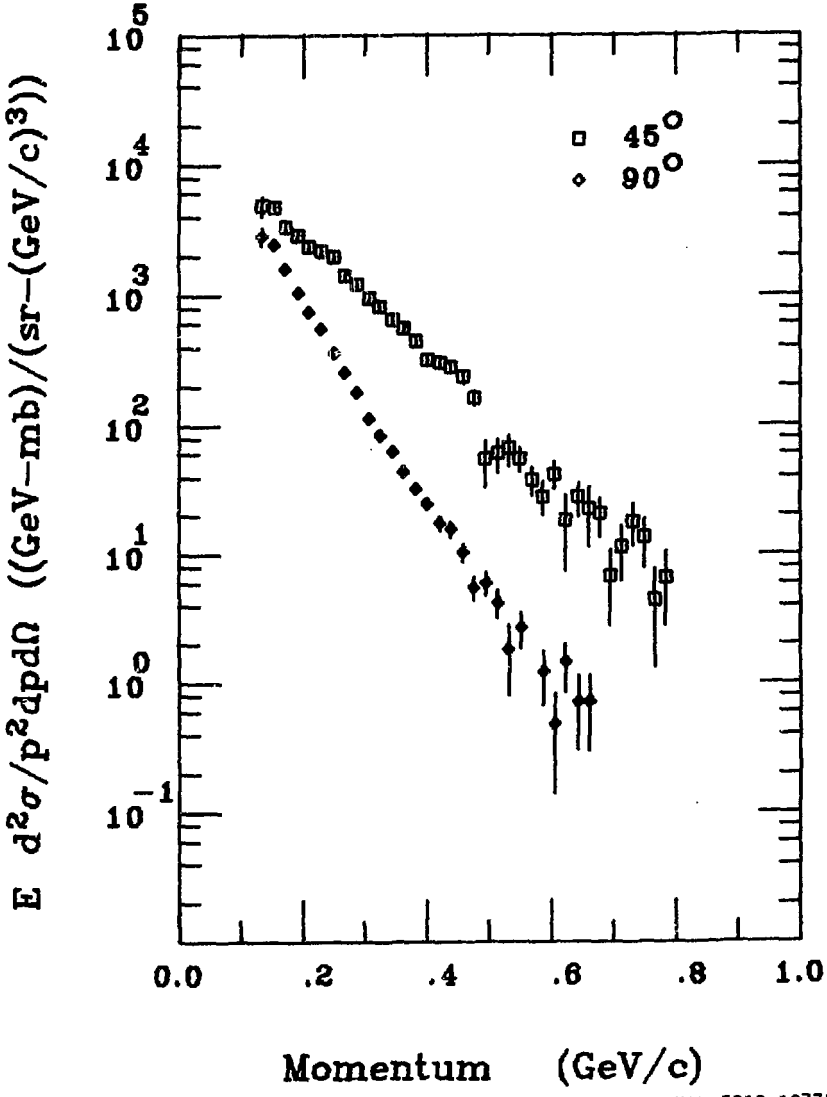
Ne+Cu $\rightarrow \pi^- + X$

800 MeV/A



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NE +CU TO PI- INCLUSIVE 0.80 GEV/A
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30DEG RUNS 904 905

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	4940.20+-	752.17	152	4858.54+-	150.67
171	4434.75+-	111.92	190	3652.40+-	88.18	210	3237.61+-	80.75	229	3073.04+-	72.93
248	2667.25+-	63.93	267	2360.37+-	57.89	287	1961.47+-	51.84	306	1774.99+-	46.57
325	1525.99+-	41.97	344	1397.20+-	39.72	363	1218.07+-	37.62	382	1009.55+-	33.54
401	918.20+-	31.41	420	791.25+-	27.97	438	601.57+-	24.96	457	547.52+-	23.53
476	442.27+-	20.45	494	367.60+-	18.42	513	282.73+-	16.35	531	249.94+-	16.25
550	203.72+-	13.20	568	189.72+-	12.72	587	151.00+-	10.87	605	122.10+-	10.35
623	88.97+-	8.30	641	99.27+-	9.40	659	57.40+-	8.23	677	56.37+-	8.15
695	41.73+-	5.63	713	34.72+-	6.14	731	39.07+-	6.39	749	30.68+-	4.79
767	32.77+-	4.94	784	24.47+-	4.26	802	0.00+-	0.00	820	0.00+-	0.00

38DEG RUNS 911 916

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	4975.01+-	742.59	152	4536.20+-	95.15
171	3830.17+-	65.94	190	3282.19+-	54.43	210	2873.19+-	47.10	229	2534.92+-	41.49
248	2229.46+-	37.21	267	1811.75+-	32.14	287	1563.67+-	28.53	306	1235.61+-	24.02
325	1088.05+-	22.26	344	996.60+-	20.90	363	867.56+-	18.98	382	684.28+-	16.73
401	538.16+-	14.71	420	470.11+-	13.65	438	368.55+-	11.75	457	304.26+-	10.63
476	248.82+-	9.55	494	197.38+-	8.71	513	156.61+-	7.72	531	138.07+-	7.15
550	108.99+-	6.50	568	82.12+-	5.48	586	66.42+-	5.02	605	62.37+-	4.57
623	55.35+-	4.45	641	51.43+-	4.13	659	35.98+-	3.63	677	32.53+-	3.37
695	22.89+-	2.96	713	13.98+-	2.67	731	18.14+-	2.55	749	14.51+-	2.31
767	9.31+-	1.90	784	13.42+-	2.07	802	0.00+-	0.00	820	0.00+-	0.00

45DEG RUNS 895 896

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	4814.27+-	776.39	152	4707.41+-	236.91
171	3369.99+-	161.60	190	2862.04+-	134.59	210	2384.65+-	116.54	229	2199.84+-	104.14
248	1990.21+-	90.66	267	1393.88+-	71.60	287	1206.82+-	67.51	306	956.61+-	54.77
325	805.89+-	50.63	344	651.59+-	45.21	363	554.69+-	41.45	382	450.80+-	37.35
401	316.36+-	30.33	420	305.56+-	29.56	438	283.04+-	28.31	457	234.66+-	24.20
476	162.77+-	20.04	494	54.34+-	21.20	513	59.54+-	17.30	531	66.22+-	17.65
550	54.69+-	11.40	568	37.78+-	9.45	587	28.16+-	8.13	605	42.00+-	9.90
623	18.14+-	10.67	641	27.70+-	8.00	659	22.56+-	11.05	677	20.58+-	6.86
695	6.83+-	3.94	713	11.33+-	5.07	731	18.04+-	6.38	749	13.47+-	5.50
767	4.47+-	3.16	784	6.67+-	3.85	802	0.00+-	0.00	820	0.00+-	0.00

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53DEG RUNS 917 919 918 920

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	4474.55+-	666.08	153	4122.51+-	78.30
171	3202.10+-	52.35	191	2476.35+-	40.21	210	2172.44+-	35.17	229	1695.59+-	29.32
248	1399.93+-	25.23	268	1071.64+-	21.10	287	852.27+-	18.11	306	680.32+-	15.02
325	555.62+-	13.65	344	479.08+-	12.32	363	370.28+-	10.61	382	298.87+-	9.46
401	242.60+-	8.44	420	181.13+-	7.37	439	151.78+-	6.58	457	109.38+-	5.48
476	82.54+-	4.81	495	79.00+-	4.68	513	51.94+-	3.77	532	41.93+-	3.40
550	32.44+-	3.05	568	27.88+-	2.75	587	19.58+-	2.22	605	17.72+-	2.10
623	13.50+-	1.90	641	9.87+-	1.71	659	8.80+-	1.47	677	8.79+-	1.47
695	5.92+-	1.29	713	5.80+-	1.18	731	3.84+-	.96	749	4.57+-	1.05
767	3.54+-	.91	785	2.15+-	.72	802	0.00+-	0.00	820	0.00+-	0.00

60DEG RUNS 899 900

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	4325.10+-	652.47	153	3748.24+-	104.55
172	2704.48+-	70.77	191	2063.15+-	53.88	210	1638.54+-	45.43	229	1337.61+-	38.10
248	950.75+-	30.35	268	771.94+-	26.60	287	643.44+-	22.86	306	458.97+-	18.99
325	366.96+-	16.68	344	289.83+-	14.16	363	234.74+-	12.42	382	194.80+-	10.98
401	153.86+-	9.65	420	116.44+-	8.62	439	88.43+-	7.20	457	61.06+-	6.32
476	60.48+-	5.87	495	45.00+-	5.47	513	30.19+-	4.11	532	23.68+-	4.18
550	12.65+-	2.64	568	15.69+-	3.57	587	15.75+-	2.92	605	11.88+-	2.53
623	7.90+-	2.88	641	9.08+-	2.20	660	3.72+-	1.41	678	3.70+-	1.40
696	6.32+-	1.82	714	1.05+-	.74	731	2.09+-	1.04	749	1.04+-	.73
767	2.07+-	1.03	785	1.03+-	.73	802	0.00+-	0.00	820	0.00+-	0.00

90DEG RUNS 909 910

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	2819.54+-	422.22	153	2429.82+-	58.02
172	1588.71+-	35.95	191	1049.38+-	25.68	210	746.38+-	20.43	229	543.63+-	16.40
248	361.25+-	12.54	268	252.33+-	10.15	287	179.45+-	8.31	306	112.57+-	6.08
325	82.68+-	5.16	344	61.46+-	4.42	363	43.35+-	3.72	382	32.43+-	3.00
401	24.71+-	2.59	420	17.60+-	2.17	439	15.75+-	2.03	457	10.35+-	1.64
476	5.63+-	1.20	495	6.07+-	1.24	513	4.26+-	1.03	532	1.83+-	1.02
550	2.71+-	.82	568	0.00+-	0.00	587	1.22+-	.54	605	.48+-	.34
623	1.44+-	.59	641	.72+-	.41	660	.71+-	.41	678	.24+-	.24
696	0.00+-	0.00	714	.23+-	.23	731	.23+-	.23	749	.23+-	.23
767	.23+-	.23	785	0.00+-	0.00	802	0.00+-	0.00	820	0.00+-	0.00

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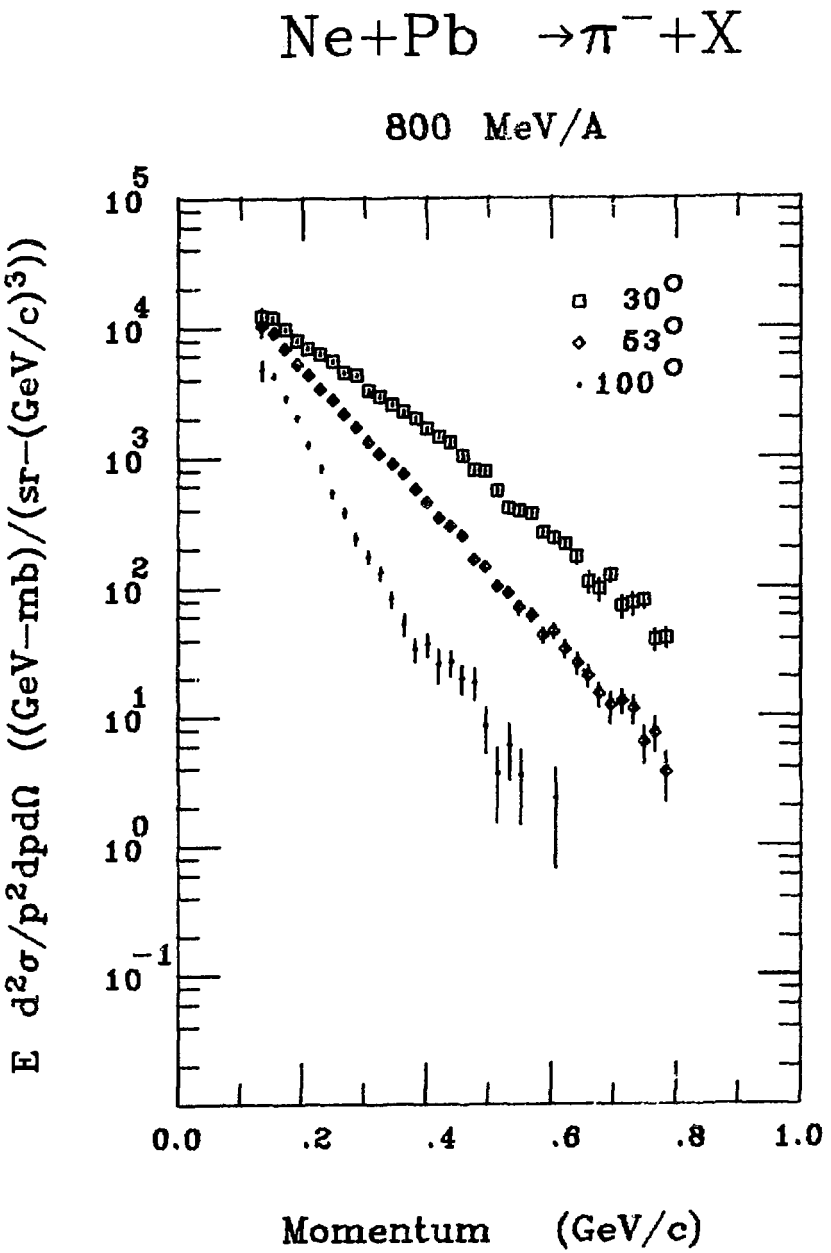
130DEG RUNS 973 974

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	1716.96+-	263.02	152	1266.43+-	48.43
171	729.72+-	29.68	190	386.57+-	18.53	210	250.39+-	13.97	229	154.21+-	10.27
248	88.86+-	7.49	268	51.91+-	5.57	287	37.62+-	4.34	306	20.01+-	2.98
325	9.43+-	2.01	344	6.65+-	1.66	363	3.24+-	1.14	382	2.37+-	.97
401	.77+-	.55	420	1.52+-	.76	438	2.24+-	.92	457	.37+-	.37
476	.36+-	.36	494	.72+-	.51	513	0.00+-	0.00	532	0.00+-	0.00



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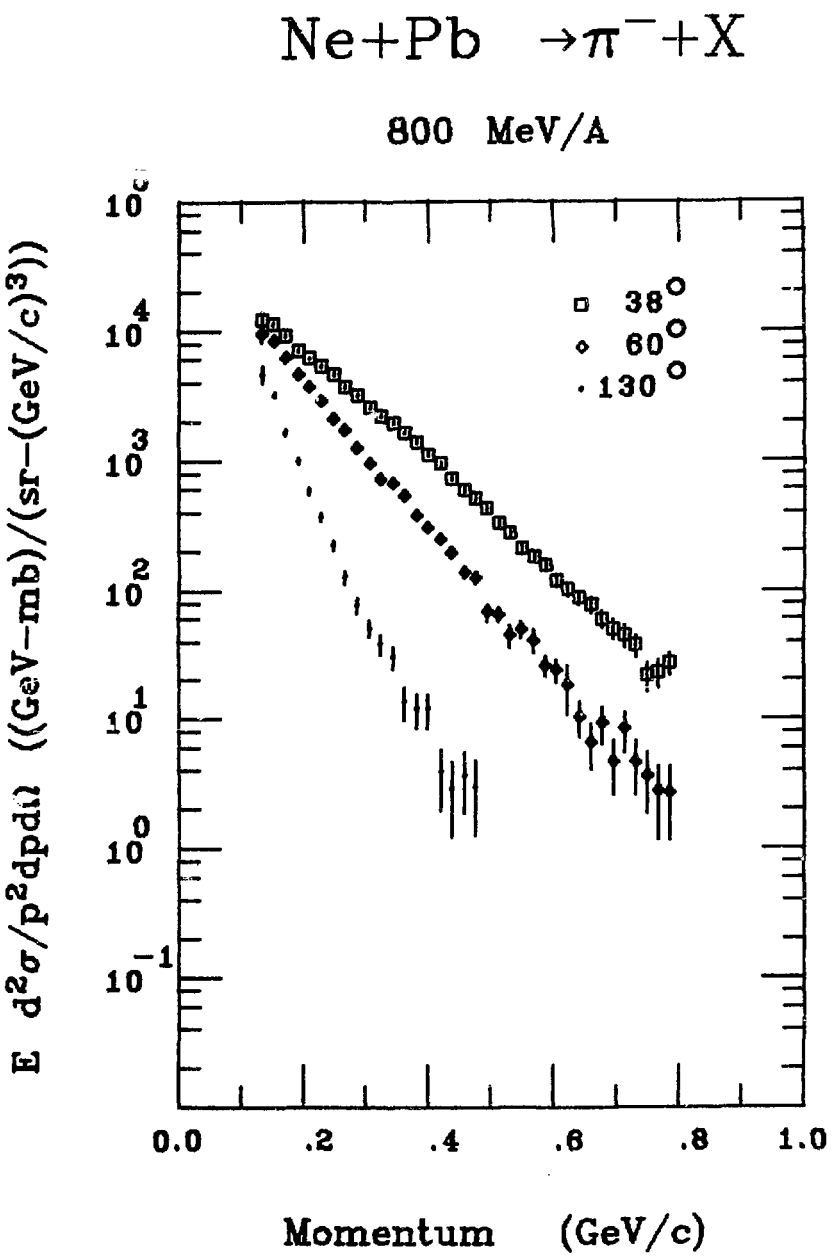
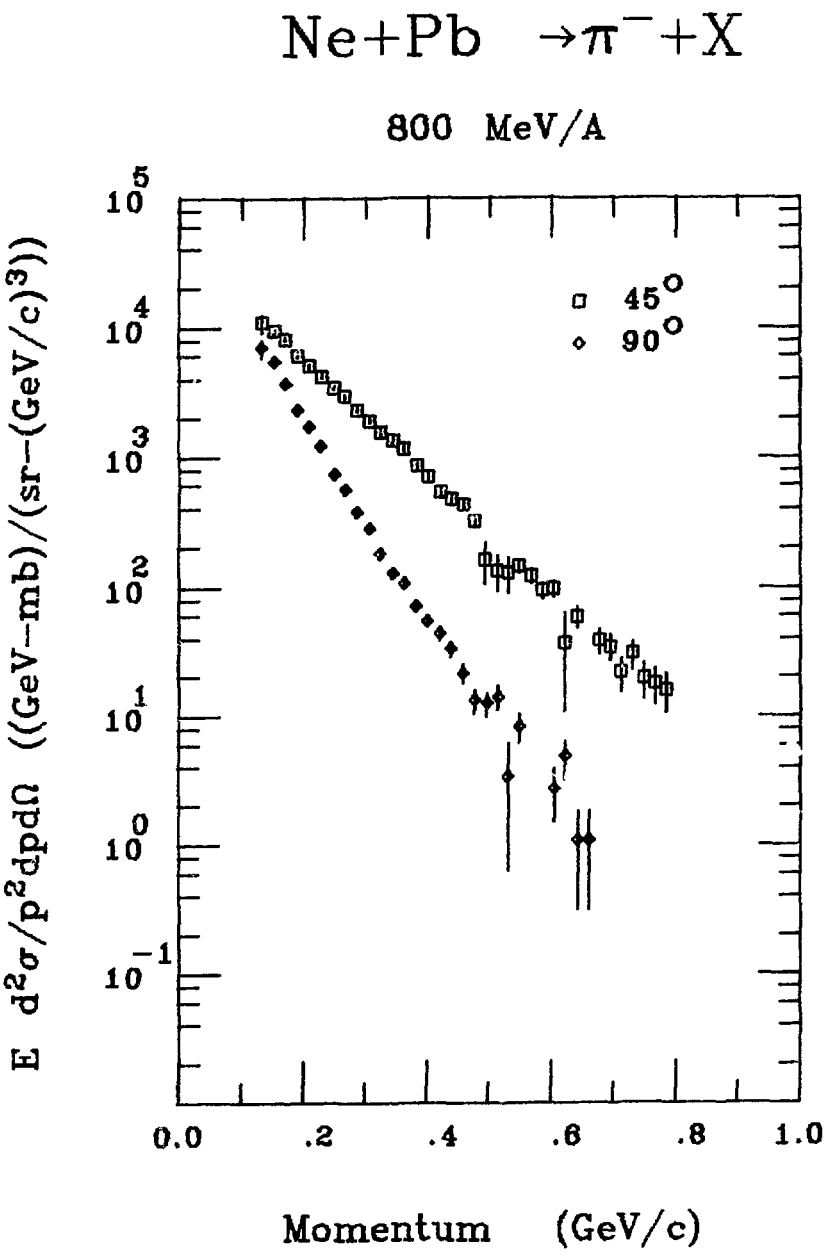


XBL 7812-13775



XBL 7812-13776

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NE +PB TO PI- INCLUSIVE 0.80 GEV/A
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30DEG RUNS 903 905

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	12256.67+-	1853.56	152	11710.96+-	337.57
171	9615.39+-	234.41	190	7970.34+-	184.04	209	6893.88+-	176.07	229	6234.97+-	153.00
248	5560.49+-	133.42	267	4495.25+-	118.32	287	4291.37+-	114.10	306	3233.59+-	97.42
325	2976.56+-	88.31	344	2542.22+-	82.39	363	2247.44+-	81.34	382	1979.57+-	72.89
401	1666.36+-	66.14	419	1448.51+-	56.28	438	1298.81+-	55.15	457	1020.59+-	49.49
476	790.19+-	40.73	494	776.67+-	38.42	513	547.82+-	33.92	531	402.69+-	34.88
550	390.55+-	25.49	568	369.50+-	24.84	586	263.27+-	18.52	605	234.17+-	20.80
623	215.22+-	16.65	641	170.17+-	18.56	659	110.28+-	19.77	677	95.79+-	19.22
695	122.60+-	12.45	713	71.36+-	14.54	731	74.79+-	14.64	749	78.53+-	9.89
767	39.71+-	7.02	784	40.75+-	7.09	802	0.00+-	0.00	820	0.00+-	0.00

38DEG RUNS 912 916

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	12257.44+-	1839.70	152	11185.19+-	273.23
171	9260.64+-	190.02	190	7046.08+-	149.81	209	6167.40+-	129.06	229	5391.31+-	112.91
248	4653.75+-	100.68	267	3675.09+-	85.92	286	3218.14+-	76.56	306	2560.13+-	64.83
325	2203.47+-	59.63	344	1956.96+-	55.15	363	1630.20+-	48.72	382	1385.09+-	44.55
401	1109.36+-	39.51	419	934.28+-	36.09	438	726.80+-	30.63	457	586.84+-	27.47
476	504.07+-	25.25	494	427.81+-	24.08	513	323.70+-	20.87	531	271.87+-	18.86
550	206.32+-	17.09	568	178.22+-	15.08	586	153.20+-	14.30	605	116.87+-	11.52
623	100.57+-	11.32	641	86.45+-	9.85	659	77.22+-	10.03	677	59.00+-	8.52
695	49.93+-	8.32	713	44.32+-	8.75	731	37.35+-	6.92	749	21.89+-	5.54
767	22.88+-	5.62	784	27.04+-	5.41	802	0.00+-	0.00	819	0.00+-	0.00

45DEG RUNS 894 896

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	10902.00+-	1670.93	152	9404.07+-	322.58
171	8227.81+-	236.36	190	6102.12+-	207.02	210	5080.98+-	185.97	229	4208.22+-	155.01
248	3443.01+-	113.59	267	2933.86+-	92.78	287	2329.67+-	101.37	306	1906.51+-	74.94
325	1542.34+-	74.19	344	1326.35+-	69.22	363	1166.21+-	65.30	382	848.89+-	58.73
401	710.23+-	47.64	420	531.36+-	42.99	438	468.51+-	40.99	457	426.08+-	29.13
476	316.66+-	24.96	494	160.06+-	55.14	513	131.31+-	39.90	531	128.28+-	39.51
550	142.23+-	16.42	568	120.53+-	15.07	586	93.58+-	13.23	605	96.75+-	13.42
623	37.13+-	26.19	641	58.92+-	10.42	659	20.27+-	25.34	677	38.29+-	8.36
695	34.48+-	7.91	713	21.68+-	6.26	731	30.57+-	7.41	749	19.69+-	5.94
767	17.82+-	5.63	784	15.96+-	5.32	802	0.00+-	0.00	820	0.00+-	0.00

NE +PB TO PI- INCLUSIVE 0.80 GEV/A

53DEG RUNS 921 918 920

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	10212.47+-	1523.54	152	8962.89+-	188.80
171	6922.19+-	128.24	190	5166.17+-	97.01	210	4317.52+-	83.04	229	3367.84+-	69.24
248	2729.75+-	58.88	267	2163.52+-	49.96	287	1709.42+-	42.84	306	1317.96+-	34.54
325	1058.10+-	31.85	344	870.27+-	27.74	363	733.13+-	24.75	382	561.90+-	21.63
401	448.31+-	19.16	420	340.08+-	17.14	438	291.07+-	15.24	457	246.82+-	13.52
476	162.37+-	11.28	494	143.37+-	10.62	513	101.03+-	8.79	531	90.71+-	8.34
550	69.21+-	7.56	568	60.71+-	6.77	587	43.08+-	5.34	605	46.12+-	5.51
623	33.44+-	4.94	641	26.12+-	4.69	659	20.76+-	3.67	677	14.85+-	3.10
695	12.22+-	3.21	713	13.44+-	2.93	731	11.46+-	2.70	749	6.34+-	2.00
767	7.57+-	2.19	784	3.77+-	1.54	802	0.00+-	0.00	820	0.00+-	0.00

60DEG RUNS 898 900

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	9592.71+-	1441.28	152	8364.61+-	214.74
171	6282.84+-	149.02	190	4611.04+-	111.55	210	3658.31+-	95.29	229	2873.51+-	77.13
248	2107.75+-	61.85	268	1733.77+-	55.61	287	1256.07+-	43.76	306	934.34+-	39.15
325	715.62+-	33.85	344	673.43+-	29.82	363	537.95+-	25.65	382	373.28+-	20.27
401	303.08+-	18.08	420	244.81+-	17.46	438	194.98+-	14.26	457	137.90+-	13.59
476	123.93+-	11.22	494	67.44+-	10.43	513	65.70+-	8.09	532	44.52+-	9.14
550	49.95+-	7.00	568	40.96+-	8.85	587	26.10+-	5.02	605	24.03+-	4.81
623	18.27+-	7.39	641	10.46+-	3.15	659	6.62+-	2.50	677	9.42+-	2.98
695	4.69+-	2.10	713	8.40+-	2.80	731	4.64+-	2.08	749	3.70+-	1.85
767	2.76+-	1.59	785	2.75+-	1.59	802	0.00+-	0.00	820	0.00+-	0.00

90DEG RUNS 907 908 910

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	6976.20+-	1043.53	152	5499.46+-	134.74
171	3705.93+-	83.79	190	2316.18+-	58.79	210	1731.36+-	48.20	229	1201.26+-	37.80
248	735.70+-	27.50	268	566.04+-	23.54	287	380.19+-	18.97	306	283.47+-	14.74
325	181.38+-	11.83	344	127.20+-	9.97	363	107.31+-	9.15	382	71.63+-	6.68
401	54.98+-	5.80	420	43.73+-	5.12	438	33.02+-	4.41	457	21.53+-	3.54
476	13.22+-	2.76	494	12.50+-	2.66	513	14.11+-	2.82	532	3.41+-	2.79
550	8.30+-	2.14	568	1.18+-	2.52	587	0.00+-	0.00	605	2.70+-	1.21
623	4.87+-	1.62	641	1.08+-	.76	659	1.07+-	.76	677	.53+-	.53
767	.52+-	.52	785	0.00+-	0.00	802	0.00+-	0.00	820	0.00+-	0.00

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NE +PB TO PI- INCLUSIVE 0.80 GEV/A
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100DEG RUNS 925 926

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
103	0.00+-	0.00	119	0.00+-	0.00	136	4768.59+-	738.98	154	4209.20+-	172.63
173	2861.16+-	108.48	192	2034.22+-	79.29	211	1240.81+-	60.08	230	816.81+-	44.56
249	532.04+-	36.14	269	380.53+-	27.88	288	236.41+-	23.92	307	172.23+-	18.42
326	128.60+-	14.53	345	81.24+-	10.67	364	51.79+-	9.65	383	33.29+-	6.66
402	36.53+-	6.90	421	25.61+-	7.26	439	26.49+-	5.78	458	19.91+-	4.98
477	18.44+-	4.76	495	8.51+-	3.22	514	3.61+-	2.09	533	5.97+-	2.67
551	3.56+-	2.05	569	1.18+-	1.18	588	1.17+-	1.17	606	2.33+-	1.65
624	1.16+-	1.16	642	0.00+-	0.00	660	0.00+-	0.00	678	0.00+-	0.00
696	0.00+-	0.00	714	0.00+-	0.00	732	0.00+-	0.00	750	1.12+-	1.12

130DEG RUNS 970 971 974

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	4664.11+-	713.70	152	3194.65+-	125.53
171	1630.80+-	73.27	190	1003.20+-	48.54	210	585.71+-	34.95	229	366.71+-	25.77
248	224.45+-	19.39	267	126.98+-	14.38	287	76.75+-	9.92	306	51.15+-	7.63
325	38.26+-	6.47	344	30.68+-	5.70	363	13.77+-	3.83	382	12.03+-	3.47
401	11.92+-	3.45	420	3.95+-	1.98	438	2.95+-	1.71	457	3.70+-	1.85
476	3.01+-	1.74	494	1.04+-	1.04	513	0.00+-	0.00	531	0.00+-	0.00

INCLUSIVE INVARIANT CROSS-SECTIONS FOR π^+ PRODUCTION

(PART 1) IN THE REACTIONS:

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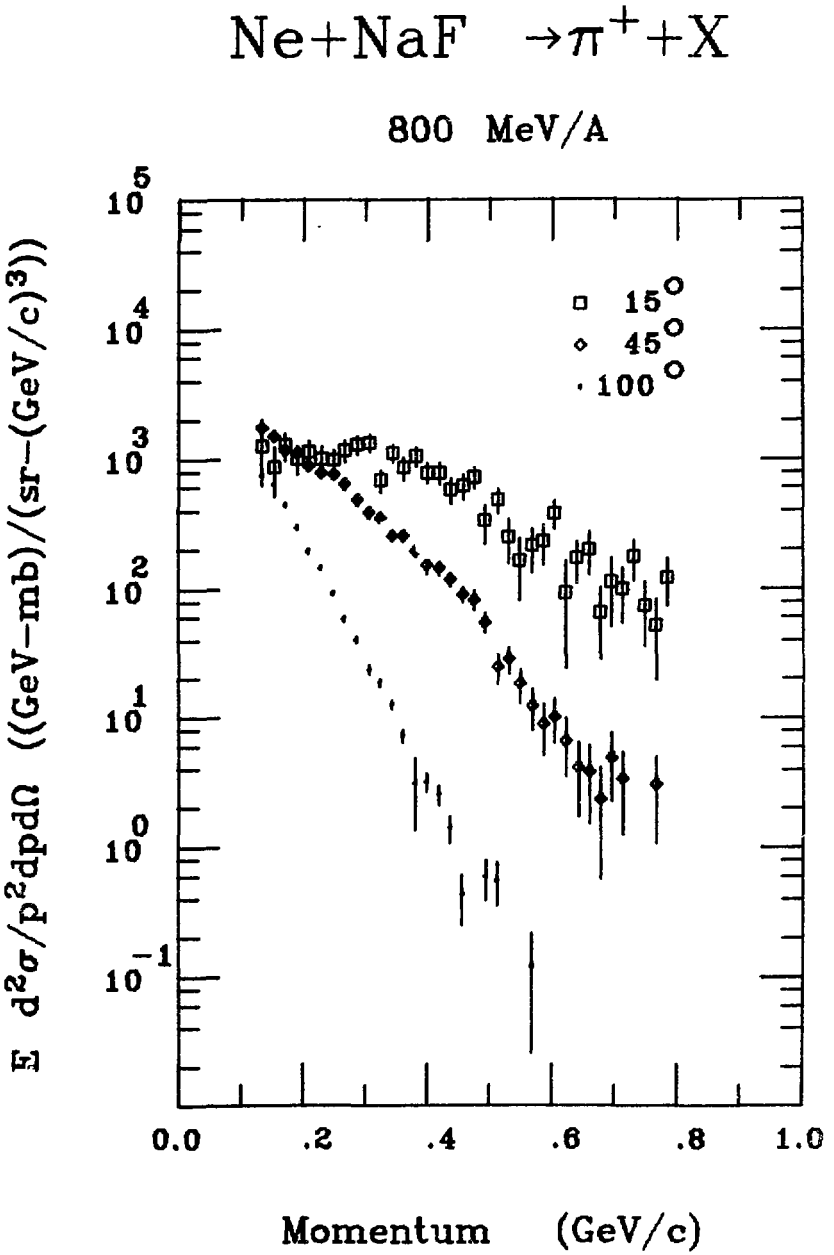
NE + NAF → π^+ + X..... 29

NE + CU → π^+ + X..... 35

NE + PB → π^+ + X..... 41

(.1 GEV/C $\leqslant P_{\pi^+} \leqslant$ .8 GEV/C)



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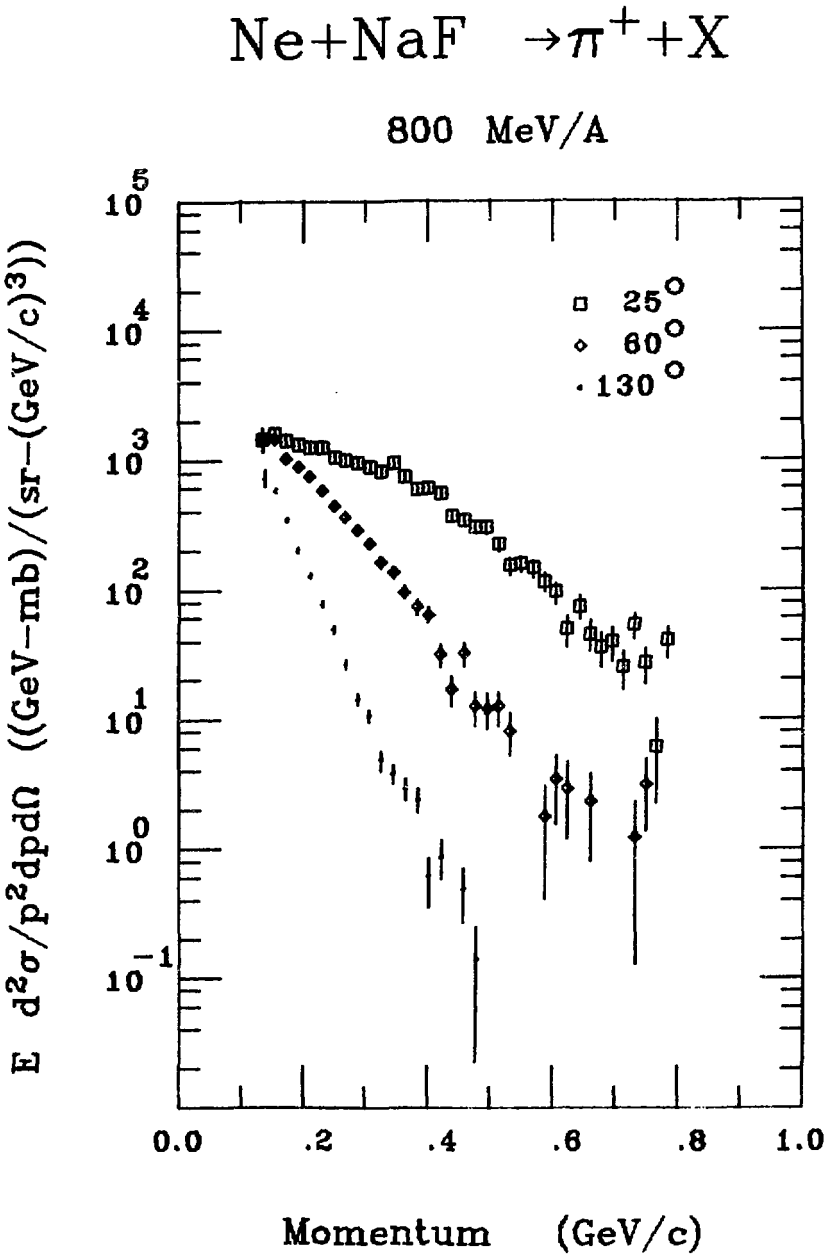

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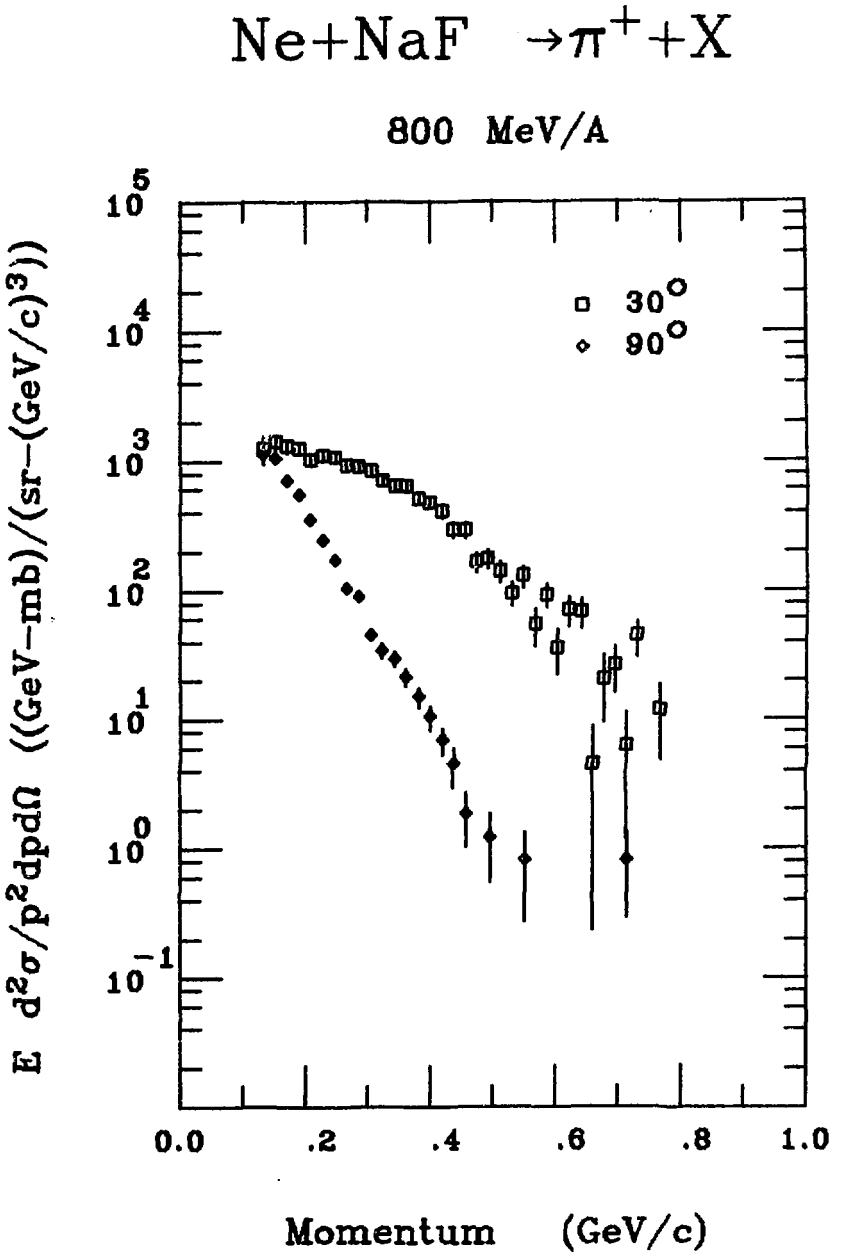

XBL 7812-13779

NE +NAF TO PI INCLUSIVE 0.80 GEV/A

15DEG RUNS 962 963

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	1227.38+-	497.84	152	859.94+-	347.05
171	1265.59+-	290.35	190	992.02+-	242.92	210	1132.37+-	238.35	229	998.72+-	246.14
248	961.64+-	185.07	267	1158.89+-	203.38	287	1267.77+-	210.45	306	1310.07+-	199.42
325	682.20+-	140.66	344	1108.18+-	172.36	363	852.97+-	169.37	382	1041.69+-	168.69
401	782.48+-	134.68	420	779.42+-	139.68	438	578.82+-	127.97	457	626.88+-	137.24
476	723.86+-	131.89	494	330.15+-	109.01	513	482.01+-	101.54	531	247.33+-	91.09
550	161.83+-	80.04	568	210.96+-	76.64	586	229.85+-	78.96	605	378.77+-	88.45
623	92.88+-	68.90	641	168.68+-	58.71	659	200.27+-	73.69	677	65.26+-	36.34
695	110.63+-	59.71	713	99.96+-	44.77	731	175.04+-	59.11	749	74.08+-	38.37
767	51.38+-	31.88	784	122.02+-	42.01	802	0.00+-	0.00	820	0.00+-	0.00

25DEG RUNS 861 862 865

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	1450.05+-	285.18	152	1583.71+-	143.25
171	1421.37+-	112.53	190	1294.85+-	99.45	210	1251.95+-	85.32	229	1239.87+-	79.98
248	1050.04+-	69.39	267	994.77+-	66.79	287	947.85+-	64.45	306	887.56+-	57.26
325	819.50+-	54.15	344	935.59+-	54.99	363	741.16+-	49.30	382	589.88+-	43.43
401	609.73+-	44.42	420	553.46+-	42.58	438	366.49+-	32.96	457	343.02+-	32.71
476	303.21+-	30.30	494	300.09+-	30.99	513	221.88+-	25.53	531	153.48+-	22.23
550	159.64+-	21.83	568	145.72+-	21.58	586	114.70+-	17.92	605	95.38+-	17.36
623	49.07+-	13.43	641	73.97+-	14.63	659	45.07+-	11.82	677	35.71+-	10.71
695	39.13+-	11.04	713	25.14+-	7.92	731	52.80+-	11.45	749	27.07+-	8.15
767	6.17+-	3.88	784	40.24+-	9.88	802	0.00+-	0.00	820	0.00+-	0.00

30DEG RUNS 966 968

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	1241.85+-	298.78	152	1388.40+-	171.49
171	1302.71+-	136.12	190	1238.54+-	115.22	210	* 1017.63+-	99.58	229	1099.73+-	96.30
248	1058.68+-	90.35	267	921.04+-	81.31	287	894.54+-	75.19	306	835.73+-	68.86
325	699.00+-	63.50	344	631.49+-	58.64	363	643.06+-	58.29	382	507.13+-	49.99
401	471.09+-	48.74	420	404.60+-	46.03	438	293.30+-	37.84	457	293.78+-	36.99
476	165.20+-	28.68	494	176.06+-	27.85	513	139.86+-	24.71	531	94.74+-	20.25
550	128.41+-	23.48	568	54.03+-	17.60	587	92.51+-	19.80	605	36.01+-	13.72
623	69.51+-	18.09	641	68.01+-	16.84	659	4.61+-	4.38	677	20.65+-	11.05
695	26.57+-	10.45	713	6.27+-	5.06	731	44.47+-	13.46	749	0.00+-	0.00
767	11.88+-	6.92	784	0.00+-	0.00	802	0.00+-	0.00	820	0.00+-	0.00

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NE +NAF TO PI INCLUSIVE 0.80 GEV/A
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45DEG RUNS 873 874 875 876

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	1695.53+-	297.40	152	1470.82+-	110.66
171	1143.30+-	78.27	190	1093.86+-	63.01	210	866.81+-	60.57	229	782.23+-	49.64
248	748.64+-	45.91	267	641.25+-	38.64	287	486.63+-	36.45	306	383.27+-	29.05
325	349.87+-	27.39	344	256.43+-	23.54	363	253.54+-	22.98	382	194.09+-	18.13
401	149.28+-	18.21	420	142.64+-	15.26	438	117.44+-	13.75	457	90.58+-	12.02
476	81.84+-	14.27	494	55.14+-	9.22	513	24.51+-	6.11	531	28.43+-	6.57
550	18.26+-	5.27	568	12.45+-	4.30	587	8.86+-	3.65	605	10.21+-	3.75
623	6.69+-	3.15	641	4.09+-	2.36	659	3.87+-	2.33	677	2.33+-	1.76
695	4.96+-	2.65	713	3.37+-	2.11	731	.58+-	.92	749	0.00+-	0.00
767	3.09+-	2.01	784	.30+-	.62	802	0.00+-	0.00	820	0.00+-	0.00

60DEG RUNS 853 889 890 887

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	1426.22+-	237.79	153	1427.72+-	85.04
172	1021.37+-	58.20	191	866.92+-	46.74	210	733.01+-	40.17	229	568.36+-	33.38
248	439.21+-	27.89	268	362.73+-	24.24	287	288.62+-	20.78	306	223.76+-	17.22
325	161.40+-	14.36	344	137.03+-	13.03	363	95.10+-	10.71	382	73.11+-	9.28
401	64.10+-	8.60	420	31.45+-	5.97	439	16.87+-	4.34	457	32.17+-	5.95
476	12.52+-	3.69	495	12.14+-	3.61	513	12.56+-	3.66	532	8.18+-	2.94
550	.91+-	.97	568	0.00+-	0.00	587	1.76+-	1.35	605	3.46+-	1.88
623	2.95+-	1.74	641	.23+-	.48	660	2.35+-	1.54	678	.68+-	.83
696	.30+-	.55	714	.70+-	.84	731	1.24+-	1.11	749	3.16+-	1.77
767	.11+-	.32	785	.46+-	.67	802	0.00+-	0.00	820	0.00+-	0.00

90DEG RUNS 950 957

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	1119.57+-	174.58	153	1050.13+-	43.38
172	709.85+-	28.80	191	545.05+-	21.93	210	352.07+-	16.56	229	240.09+-	12.78
248	170.59+-	10.41	268	104.70+-	7.67	287	88.76+-	6.86	306	44.61+-	4.57
325	34.28+-	3.86	344	29.51+-	3.52	363	21.47+-	2.96	382	14.96+-	2.57
401	10.53+-	2.17	420	6.94+-	1.63	439	4.54+-	1.51	457	1.86+-	.83
476	.05+-	.14	495	1.22+-	.67	513	0.00+-	0.00	532	0.00+-	0.00
550	.82+-	.54	568	0.00+-	0.00	587	0.00+-	0.00	605	0.00+-	0.00

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NE +NAF TO PI INCLUSIVE 0.80 GEV/A
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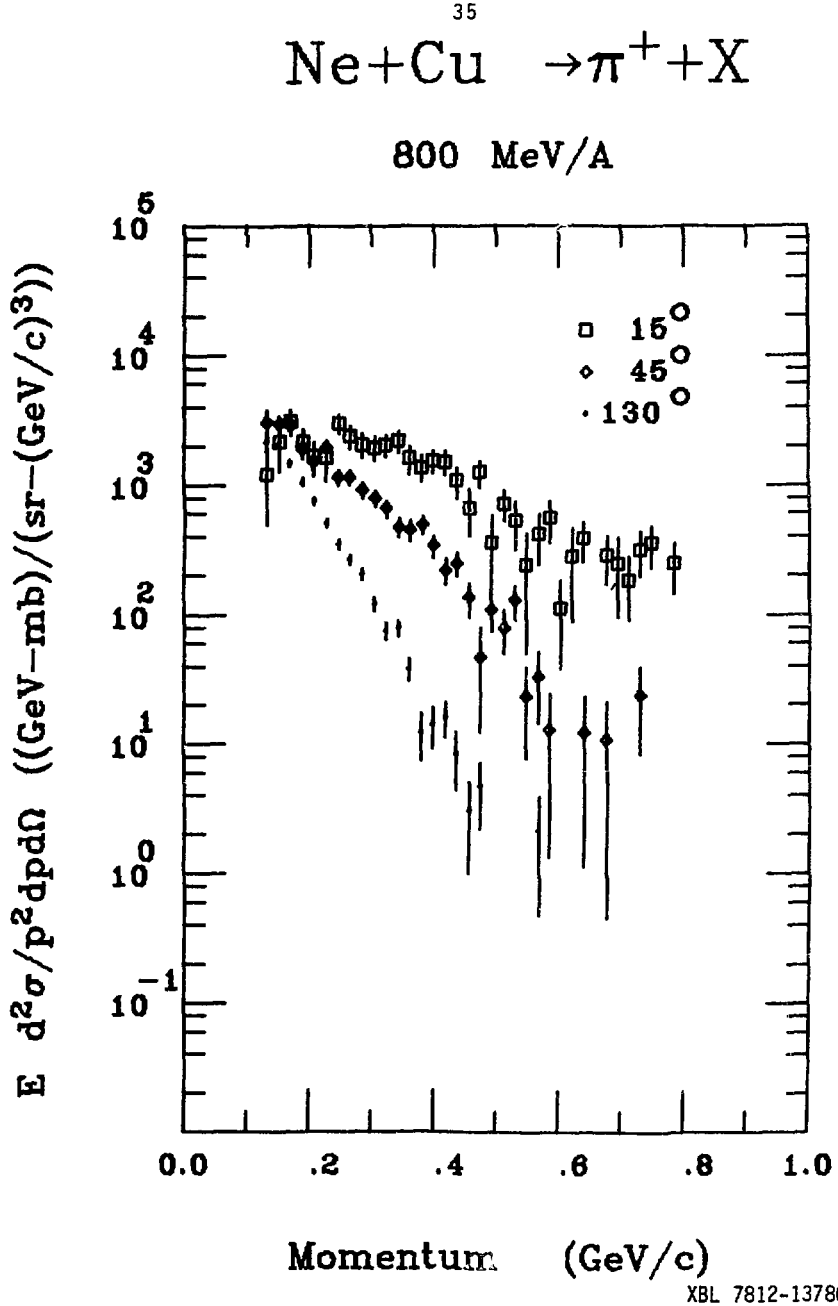
100DEG RUNS 927 935 934

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	731.78+-	110.50	153	628.58+-	17.84
172	442.29+-	11.72	191	296.62+-	8.51	210	193.27+-	7.08	229	143.36+-	4.87
248	91.93+-	3.38	268	58.35+-	2.58	287	40.89+-	2.07	306	23.66+-	2.01
325	18.61+-	1.29	344	12.71+-	1.05	363	7.26+-	.78	382	3.12+-	1.77
401	3.25+-	.51	420	2.57+-	.45	439	1.42+-	.33	457	.44+-	.18
550	.08+-	.07	568	.12+-	.09	587	.00+-	.01	605	0.00+-	0.00

130DEG RUNS 936 949 945

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
105	0.00+-	0.00	120	0.00+-	0.00	137	726.11+-	109.63	155	576.72+-	17.13
173	343.64+-	10.22	192	200.09+-	6.90	211	128.09+-	5.10	231	77.10+-	3.69
250	48.85+-	2.81	269	26.79+-	2.01	288	14.26+-	1.37	307	10.62+-	1.11
326	4.89+-	.83	346	3.86+-	.65	365	2.94+-	.56	383	2.42+-	.50
402	.61+-	.25	421	.87+-	.30	440	.01+-	.01	459	.49+-	.22
477	.14+-	.11	496	.09+-	.09	514	0.00+-	0.00	533	0.00+-	0.00



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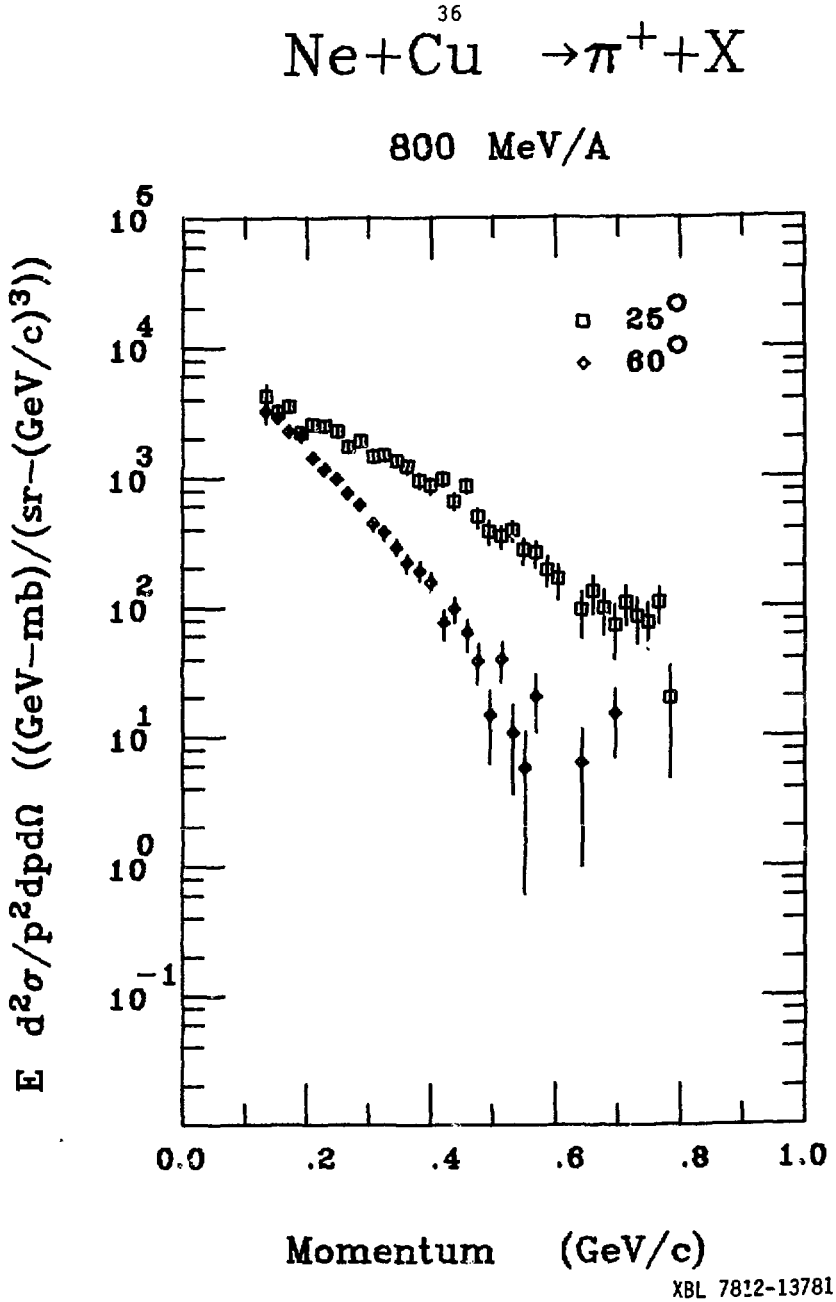
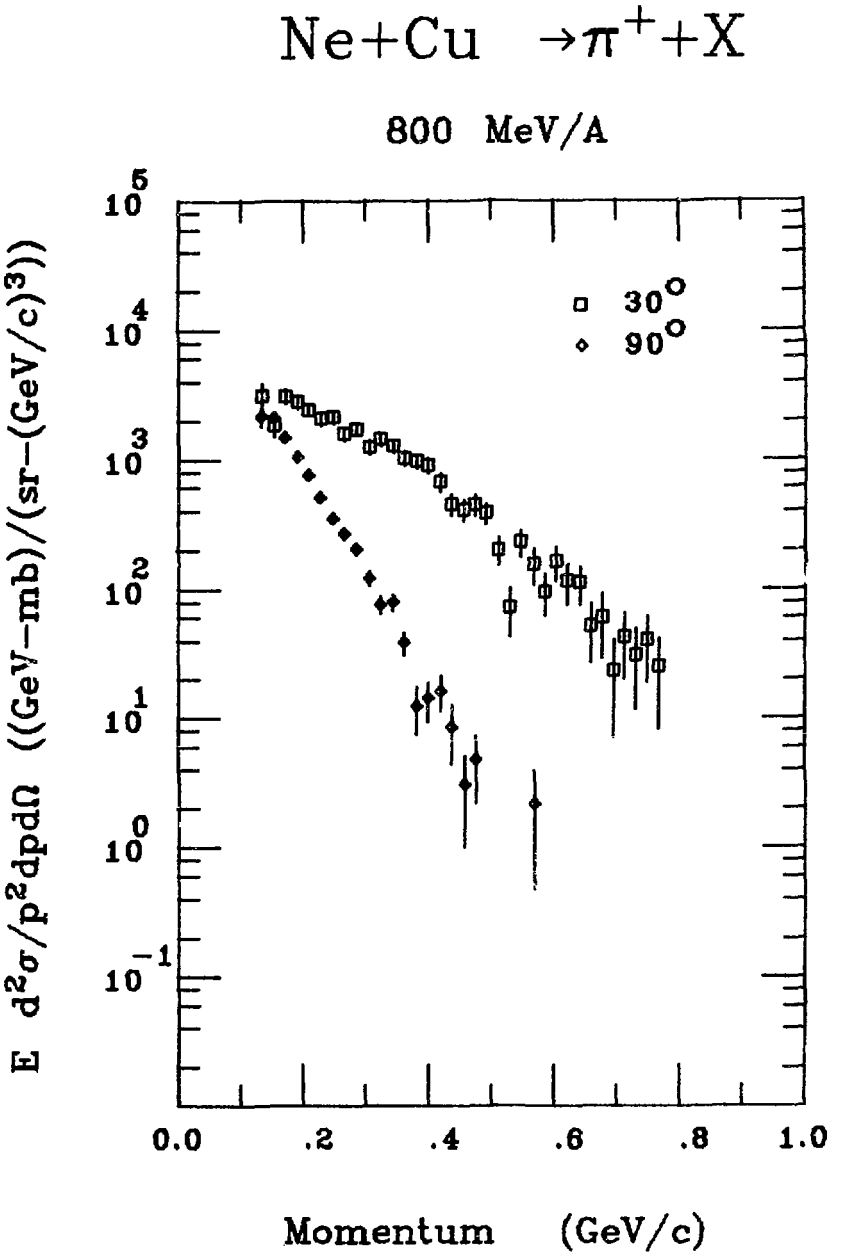


XBL 7812-13781



XBL 7812-13782

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NE +CU TO PI INCLUSIVE 0.80 GEV/A
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15DEG RUNS 959 963

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	1220.53+-	727.21	152	2138.34+-	877.09
171	3091.13+-	691.20	190	2139.08+-	566.55	210	1663.72+-	473.26	229	1627.99+-	563.35
248	2975.08+-	495.85	267	2357.69+-	454.89	287	2050.91+-	438.27	306	1940.52+-	398.14
325	2035.82+-	373.21	344	2200.69+-	379.37	363	1611.13+-	392.72	382	1383.43+-	325.83
401	1544.03+-	288.19	420	1521.57+-	307.25	438	1088.78+-	289.23	457	675.84+-	272.40
476	1256.91+-	276.22	494	360.53+-	236.21	513	724.38+-	189.62	531	539.26+-	225.30
550	239.67+-	188.46	568	418.80+-	178.71	586	557.36+-	196.09	605	111.96+-	73.25
623	278.12+-	189.20	641	387.18+-	135.50	659	112.83+-	126.89	677	286.09+-	115.91
695	246.12+-	148.71	713	185.68+-	92.95	731	321.26+-	121.98	749	360.07+-	128.84

25DEG RUNS 863 864 865

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	4186.28+-	911.83	152	3166.60+-	430.68
171	3536.61+-	375.04	190	2176.56+-	278.05	210	2548.10+-	258.89	229	2491.53+-	241.06
248	2230.88+-	215.25	267	1725.42+-	188.56	287	1888.35+-	192.74	306	1457.27+-	157.11
325	1490.85+-	154.95	344	1347.82+-	140.98	363	1212.43+-	134.62	382	949.33+-	118.00
401	878.86+-	115.44	420	975.65+-	120.87	438	657.09+-	93.91	457	864.14+-	108.93
476	492.56+-	82.67	494	379.21+-	76.77	513	351.83+-	68.92	531	390.41+-	73.97
550	270.74+-	60.60	568	257.97+-	61.28	586	190.41+-	48.73	605	160.81+-	48.53
623	21.35+-	26.77	641	93.60+-	35.68	659	128.91+-	41.02	677	96.32+-	36.07
695	71.71+-	32.27	713	107.31+-	34.90	731	83.42+-	31.02	749	76.19+-	29.34
767	106.96+-	34.29	784	19.93+-	15.12	802	0.00+-	0.00	820	0.00+-	0.00

30DEG RUNS 967 968

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	3103.24+-	776.26	152	1832.75+-	334.56
171	3123.12+-	353.49	190	2780.29+-	289.82	210	2428.44+-	258.33	229	2072.64+-	223.27
248	2117.16+-	215.72	267	1581.67+-	181.72	287	1718.89+-	175.41	306	1248.13+-	143.02
325	1435.44+-	154.14	344	1260.07+-	140.05	363	1015.72+-	125.12	382	961.98+-	115.71
401	897.08+-	113.85	420	668.30+-	102.14	438	452.14+-	80.34	457	406.78+-	73.86
476	449.83+-	79.03	494	384.12+-	68.89	513	198.31+-	49.26	531	72.44+-	29.65
550	229.34+-	52.55	568	154.50+-	49.20	587	95.10+-	33.62	605	162.10+-	46.67
623	115.37+-	40.19	641	111.09+-	36.04	659	51.73+-	24.53	677	60.61+-	31.13
695	23.75+-	16.54	713	42.33+-	22.03	731	30.52+-	18.67	749	40.76+-	21.52
767	25.12+-	16.86	784	0.00+-	0.00	802	0.00+-	0.00	820	0.00+-	0.00

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45DEG RUNS 869 875 876

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	3057.86+-	714.80	152	2940.36+-	400.38
171	2913.58+-	319.93	190	1910.67+-	219.17	210	1521.94+-	203.54	229	1957.71+-	201.00
248	1150.71+-	148.50	267	1163.65+-	137.14	287	912.98+-	126.81	306	793.85+-	107.08
325	661.31+-	96.58	344	477.56+-	82.11	363	449.81+-	78.76	382	493.22+-	76.12
401	343.27+-	68.41	420	220.22+-	49.89	438	249.76+-	52.71	457	136.05+-	38.63
476	46.49+-	33.93	494	110.16+-	34.37	513	79.22+-	29.00	531	128.92+-	36.84
550	23.58+-	15.70	568	33.17+-	18.55	587	12.90+-	11.53	605	1.97+-	4.50
623	0.00+-	0.00	641	12.31+-	11.17	659	1.98+-	4.48	677	10.95+-	10.49
695	9.58+-	9.79	713	0.00+-	0.00	731	23.93+-	15.40	749	0.00+-	0.00

60DEG RUNS 855 887

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	3223.46+-	589.36	153	2856.30+-	249.44
172	2228.12+-	178.97	191	2075.55+-	150.58	210	1421.80+-	116.48	229	1146.99+-	98.72
248	959.76+-	85.84	268	751.25+-	72.63	287	622.24+-	63.51	306	435.90+-	50.05
325	374.07+-	45.53	344	290.59+-	39.51	363	218.05+-	33.76	382	190.38+-	31.17
401	153.93+-	27.74	420	75.06+-	19.20	439	97.12+-	21.67	457	62.60+-	17.28
476	38.98+-	13.55	495	14.51+-	8.22	513	39.96+-	13.58	532	10.60+-	6.96
550	5.70+-	5.09	568	20.40+-	9.59	587	0.00+-	0.00	605	0.00+-	0.00
623	2.70+-	3.46	641	6.27+-	5.26	660	0.00+-	0.00	678	0.00+-	0.00
696	15.12+-	8.11	714	0.00+-	0.00	731	0.00+-	0.00	749	0.00+-	0.00
767	.87+-	1.92	785	0.00+-	0.00	802	0.00+-	0.00	820	0.00+-	0.00

90DEG RUNS 953 957

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	2147.00+-	352.13	153	2076.45+-	117.90
172	1472.62+-	80.71	191	1051.30+-	59.32	210	754.28+-	47.13	229	510.90+-	36.26
248	347.62+-	28.93	268	266.25+-	23.74	287	205.32+-	20.27	306	120.40+-	14.54
325	75.78+-	11.16	344	78.66+-	11.19	363	38.31+-	7.70	382	12.47+-	4.87
401	14.37+-	5.10	420	16.37+-	4.88	439	8.48+-	4.06	457	3.09+-	2.09
476	4.80+-	2.59	495	0.00+-	0.00	513	.30+-	.64	532	.27+-	.60
623	0.00+-	0.00	641	0.00+-	0.00	660	0.00+-	0.00	678	.65+-	.92
696	.64+-	.91	714	.87+-	1.06	731	0.00+-	0.00	749	0.00+-	0.00

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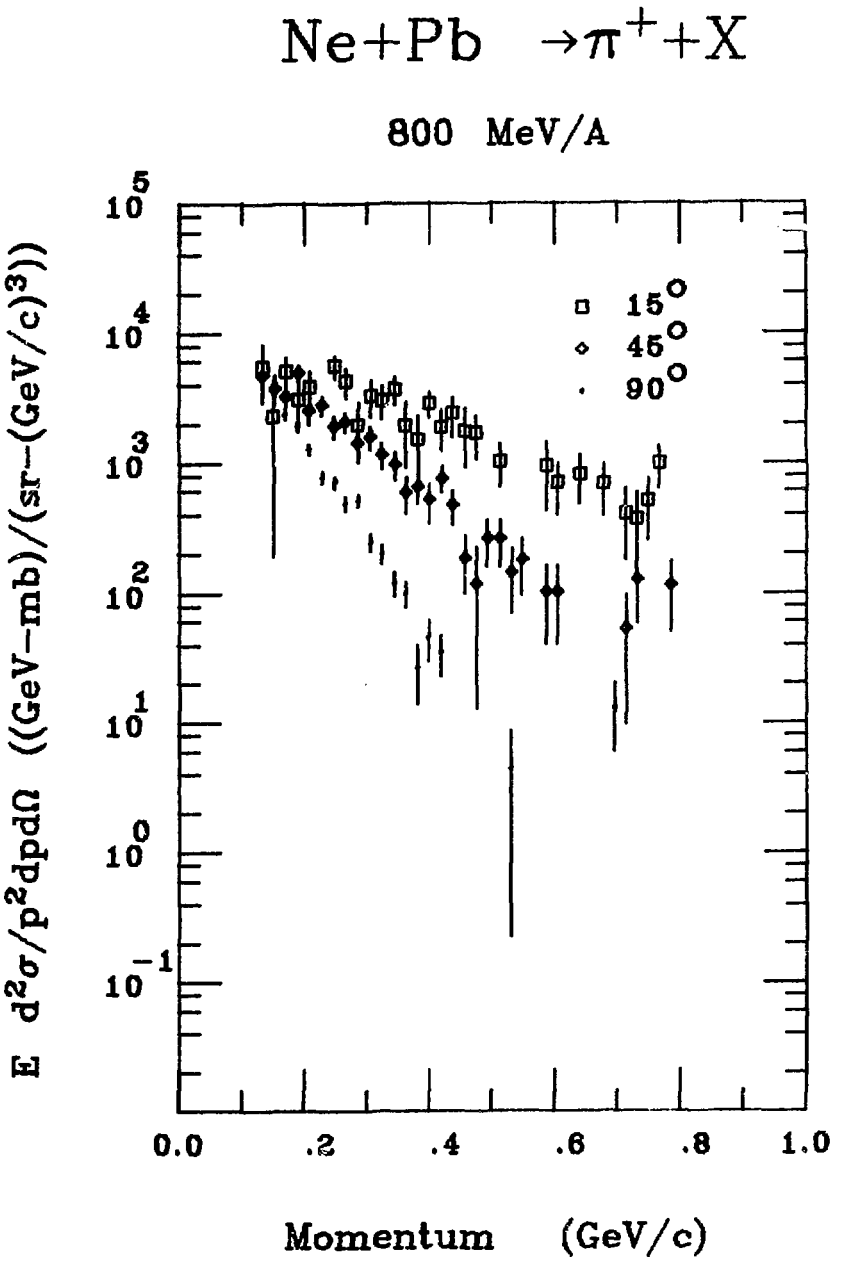
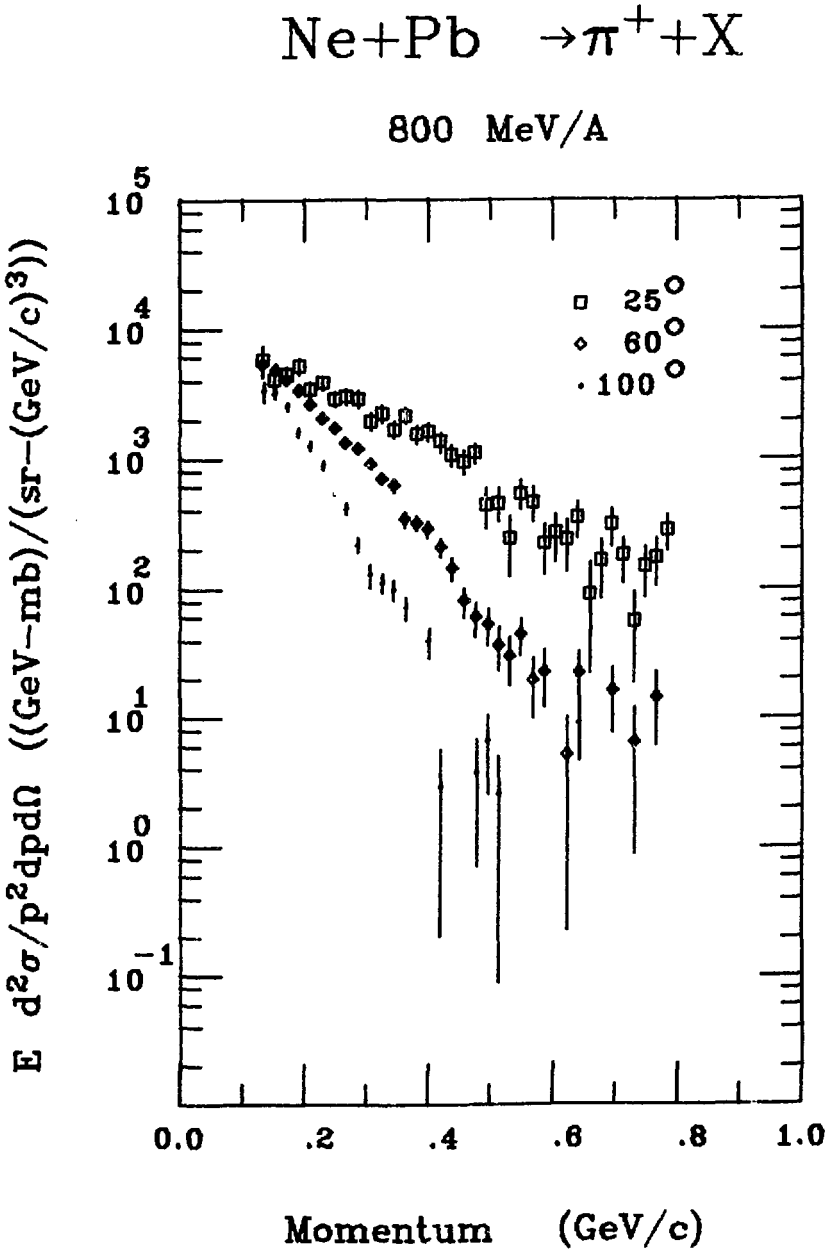
130DEG RUNS 943 944 945

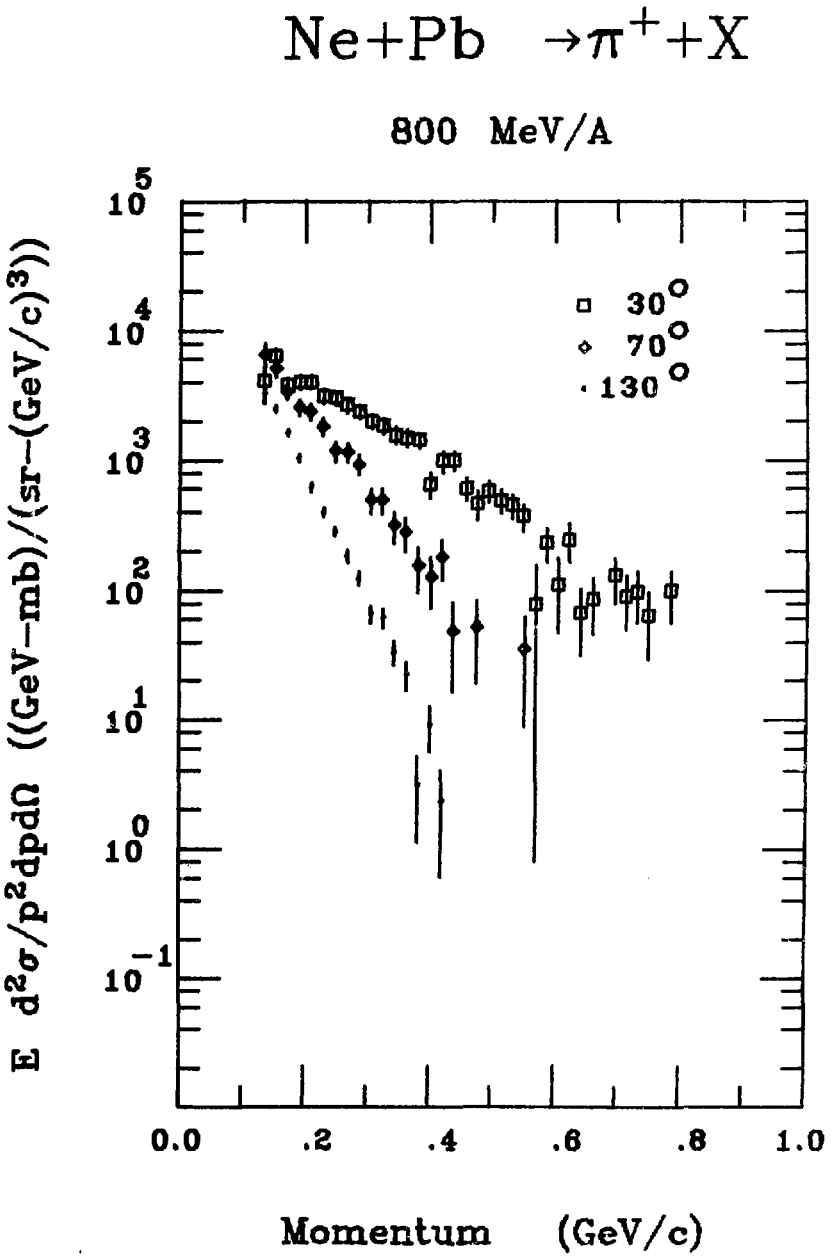
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	117	0.00+-	0.00	134	2147.00+-	352.13	153	2076.45+-	117.90
172	1472.62+-	80.71	191	1051.30+-	59.32	210	754.28+-	47.13	229	510.90+-	36.26
248	347.62+-	28.93	268	266.25+-	23.74	287	205.32+-	20.27	306	120.40+-	14.54
325	75.78+-	11.16	344	78.66+-	11.19	363	38.31+-	7.70	382	12.47+-	4.87
401	14.37+-	5.10	420	16.37+-	4.88	439	8.48+-	4.06	457	3.09+-	2.09
476	4.80+-	2.59	495	0.00+-	0.00	513	.30+-	.64	532	.27+-	.60
623	0.00+-	0.00	641	0.00+-	0.00	660	0.00+-	0.00	678	.65+-	.92
696	.64+-	.91	714	.87+-	1.06	731	0.00+-	0.00	749	0.00+-	0.00



XBL 7812-13783



XBL 7812-13784



XBL 7812-13785

NE +PB TO PI INCLUSIVE 0.80 GEV/A

15DEG RUNS 958 963

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	5558.10+-	2616.82	152	2335.64+-	2144.47
171	5070.42+-	1463.70	190	3109.75+-	1340.35	209	3840.79+-	1298.98	229	1427.35+-	1512.59
248	5649.78+-	1129.96	267	4272.66+-	1101.15	286	1974.99+-	968.75	306	3269.70+-	997.14
325	3033.93+-	836.44	344	3723.93+-	883.33	363	1927.22+-	1012.63	382	1525.50+-	758.32
401	2891.19+-	652.09	419	1908.46+-	660.53	438	2396.45+-	806.55	457	1768.82+-	837.30
476	1696.07+-	616.10	494	0.00+-	0.00	513	1027.74+-	373.47	531	114.15+-	541.12
550	0.00+-	0.00	568	0.00+-	0.00	586	938.52+-	506.36	605	701.00+-	303.06
623	0.00+-	0.00	641	813.89+-	324.83	659	147.16+-	377.39	677	682.92+-	296.11
695	365.96+-	410.24	713	407.69+-	227.73	731	371.81+-	216.98	749	509.36+-	253.38
767	989.88+-	352.40	784	119.14+-	121.97	802	0.00+-	0.00	820	0.00+-	0.00

25DEG RUNS 858 859 860 865

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	5793.54+-	1544.28	152	4070.96+-	775.70
171	4471.73+-	675.55	190	5130.84+-	686.64	209	3425.56+-	477.25	229	3896.41+-	471.84
248	2902.27+-	383.71	267	3000.24+-	400.91	287	2913.69+-	399.11	306	1959.56+-	306.94
325	2271.57+-	315.94	344	1686.19+-	253.34	363	2164.94+-	290.22	382	1537.44+-	241.60
401	1624.38+-	259.59	419	1363.08+-	241.02	438	1074.71+-	189.97	457	953.55+-	194.78
476	1121.01+-	197.40	494	440.73+-	153.36	513	454.45+-	131.49	531	239.69+-	115.31
550	540.34+-	136.17	568	460.50+-	138.54	586	217.77+-	91.09	605	263.70+-	105.97
623	233.62+-	101.39	641	351.08+-	107.69	659	90.50+-	68.07	677	160.68+-	76.56
695	306.93+-	98.56	713	177.27+-	66.68	731	56.08+-	37.42	749	145.76+-	60.19
767	172.07+-	68.09	784	280.90+-	86.66	802	0.00+-	0.00	820	0.00+-	0.00

30DEG RUNS 965 968

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	4115.07+-	1282.06	152	6357.28+-	794.02
171	3743.06+-	520.72	190	3995.53+-	457.84	209	4011.06+-	448.09	229	3143.75+-	368.83
248	3033.96+-	351.80	267	2655.06+-	324.54	287	2344.29+-	270.38	306	2002.35+-	243.33
325	1852.15+-	251.51	344	1562.31+-	218.79	363	1488.99+-	211.25	382	1426.72+-	182.77
401	651.88+-	147.52	419	981.64+-	182.58	438	982.41+-	157.94	457	606.19+-	120.48
476	457.28+-	117.49	494	572.46+-	105.91	513	487.60+-	97.28	531	444.54+-	92.49
550	364.07+-	83.38	568	76.81+-	76.01	586	227.11+-	65.43	605	110.50+-	63.68
623	241.34+-	80.36	641	67.19+-	35.30	659	85.15+-	39.64	677	48.84+-	53.97
695	128.49+-	48.46	713	89.15+-	40.27	731	97.21+-	41.96	749	63.44+-	33.82

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45DEG RUNS 868 875 876

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
99	0.00+-	0.00	116	0.00+-	0.00	134	4789.62+-	1556.11	152	3807.06+-	904.87
171	3243.09+-	667.91	190	4959.25+-	668.71	210	2523.36+-	529.94	229	2830.32+-	469.31
248	1924.19+-	373.61	267	2087.04+-	347.84	287	1428.08+-	318.84	306	1579.18+-	291.26
325	1151.03+-	248.63	344	973.99+-	227.55	363	594.25+-	183.74	382	646.33+-	165.02
401	515.33+-	169.57	420	765.06+-	176.09	438	471.79+-	137.19	457	185.51+-	85.43
476	119.04+-	106.12	494	257.83+-	99.56	513	257.44+-	99.02	531	143.79+-	73.68
550	177.21+-	81.49	568	29.33+-	33.04	586	102.16+-	61.47	605	101.90+-	61.21
623	0.00+-	0.00	641	0.00+-	0.00	659	30.77+-	33.38	677	23.50+-	29.10

60DEG RUNS 850 851 888 887

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	5307.32+-	908.96	152	4888.95+-	338.45
171	4059.65+-	250.89	190	3321.63+-	197.81	210	2642.18+-	165.15	229	2041.81+-	136.72
248	1700.55+-	118.70	268	1298.61+-	98.95	287	1178.18+-	90.09	306	906.94+-	74.82
325	705.70+-	64.92	344	612.89+-	59.48	363	338.82+-	43.64	382	320.14+-	41.95
401	287.52+-	39.19	420	206.05+-	33.09	438	141.76+-	27.10	457	80.56+-	20.53
476	59.66+-	17.51	494	53.48+-	16.59	513	37.11+-	13.81	532	30.16+-	12.20
550	44.54+-	14.71	568	19.76+-	9.72	587	23.07+-	10.73	605	0.00+-	0.00
623	5.18+-	4.96	641	22.12+-	10.26	659	0.00+-	0.00	677	0.00+-	0.00
695	16.18+-	8.51	713	0.00+-	0.00	731	6.44+-	5.56	749	.85+-	1.88
767	14.38+-	8.27	785	0.00+-	0.00	802	0.00+-	0.00	820	0.00+-	0.00

70DEG RUNS 840

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
101	0.00+-	0.00	117	0.00+-	0.00	135	6610.44+-	1427.97	153	5090.62+-	693.70
172	3380.94+-	460.09	191	2568.87+-	349.58	210	2368.43+-	313.71	229	1812.77+-	258.97
249	1170.15+-	197.79	268	1161.75+-	188.46	287	931.41+-	162.14	306	498.09+-	111.64
325	499.40+-	109.78	344	314.95+-	85.83	363	277.34+-	79.45	382	155.83+-	58.86
401	125.58+-	52.29	420	181.57+-	62.32	439	48.69+-	32.02	457	6.85+-	11.93
476	51.62+-	32.54	495	9.60+-	13.96	513	0.00+-	0.00	532	12.81+-	15.98
550	35.30+-	26.42	569	0.00+-	0.00	587	18.22+-	18.86	605	0.00+-	0.00
623	0.00+-	0.00	642	0.00+-	0.00	660	0.00+-	0.00	678	1.30+-	4.97
696	.19+-	1.90	714	0.00+-	0.00	731	0.00+-	0.00	749	0.00+-	0.00

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90DEG RUNS 954 957

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
100	0.00+-	0.00	116	0.00+-	0.00	134	4541.12+-	772.12	152	3842.06+-	276.22
171	2388.24+-	179.03	190	1921.03+-	138.95	210	1263.68+-	106.29	229	773.50+-	77.27
248	710.72+-	71.88	268	487.39+-	55.34	287	511.20+-	55.05	306	242.69+-	35.65
325	197.60+-	30.85	344	118.51+-	23.52	363	98.85+-	21.19	382	26.78+-	12.81
401	45.81+-	15.59	420	35.27+-	12.27	438	3.41+-	7.42	457	.59+-	1.56
476	0.00+-	0.00	494	0.00+-	0.00	513	.67+-	1.64	532	4.42+-	4.19
623	.38+-	1.20	641	0.00+-	0.00	659	1.53+-	2.41	677	0.00+-	0.00
695	13.08+-	7.03	713	0.00+-	0.00	731	2.14+-	2.83	749	0.00+-	0.00

100DEG RUNS 930 931 934

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
103	0.00+-	0.00	119	0.00+-	0.00	136	3353.36+-	576.35	154	3206.75+-	217.80
173	2544.02+-	153.89	192	1584.33+-	108.18	211	1239.27+-	94.43	230	885.49+-	66.53
249	571.28+-	47.44	269	411.37+-	38.53	288	212.94+-	26.62	307	126.27+-	25.12
326	111.24+-	17.81	345	97.40+-	16.41	364	71.13+-	13.82	383	15.41+-	21.12
402	39.24+-	10.03	421	2.94+-	2.73	439	.97+-	1.54	458	1.00+-	1.55
477	3.73+-	3.01	495	6.57+-	3.98	514	2.56+-	2.48	533	.30+-	.84

130DEG RUNS 940 945

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
103	0.00+-	0.00	119	0.00+-	0.00	136	3295.65+-	519.21	154	2494.05+-	124.99
173	1617.20+-	78.53	192	1034.58+-	55.68	211	620.18+-	39.84	230	399.20+-	29.68
249	281.30+-	23.78	269	182.81+-	18.46	288	124.39+-	14.27	307	66.15+-	9.80
326	61.37+-	9.82	345	33.53+-	6.75	364	22.44+-	5.44	383	3.16+-	2.02
402	9.09+-	3.39	421	2.32+-	1.70	439	0.00+-	0.00	458	0.00+-	0.00
624	0.00+-	0.00	642	0.00+-	0.00	660	0.00+-	0.00	678	.48+-	.73
768	.75+-	.90	786	0.00+-	0.00	803	0.00+-	0.00	821	0.00+-	0.00

INCLUSIVE INVARIANT CROSS-SECTIONS FOR π^+ PRODUCTION (PART 2) IN THE REACTIONS:

PAGE

$C + C \rightarrow \pi^+ + X$ 48

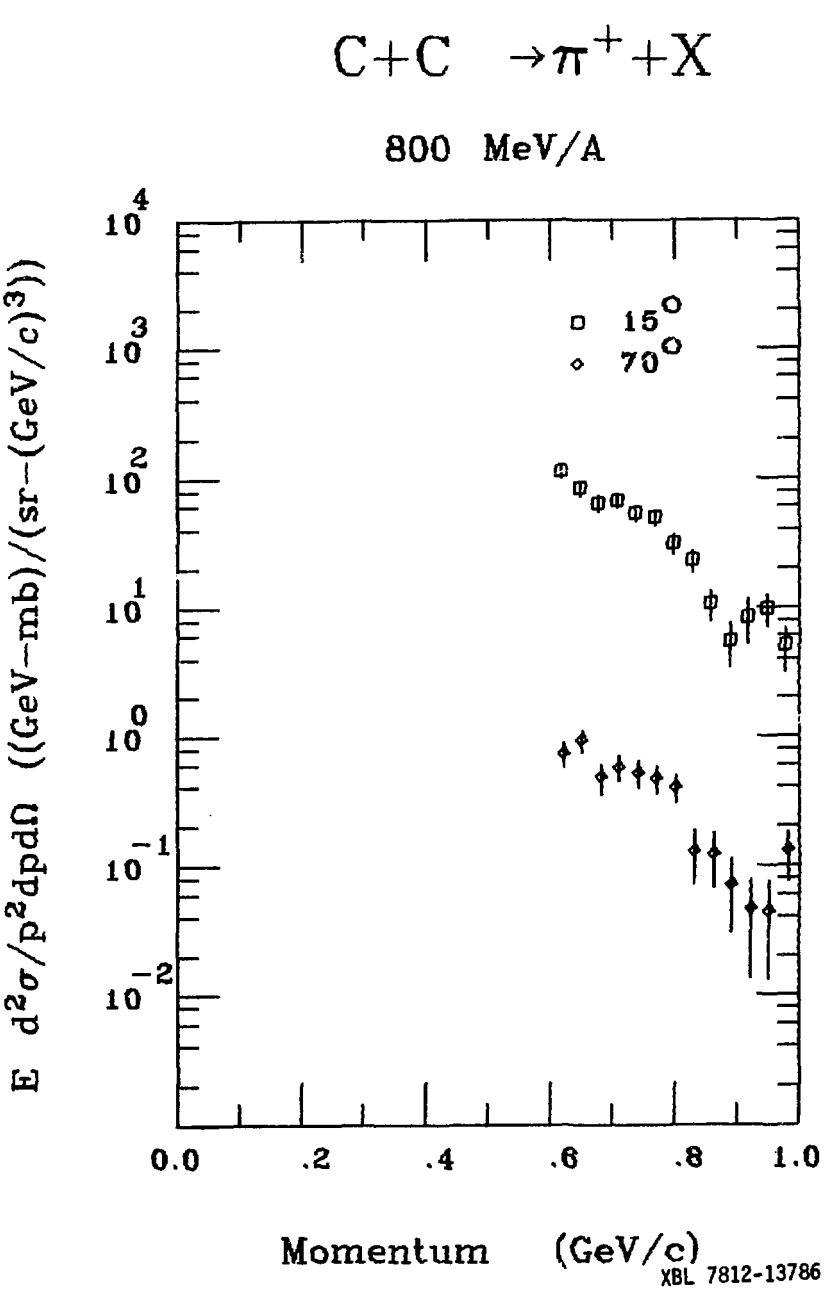
$C + PB \rightarrow \pi^+ + X$ 51

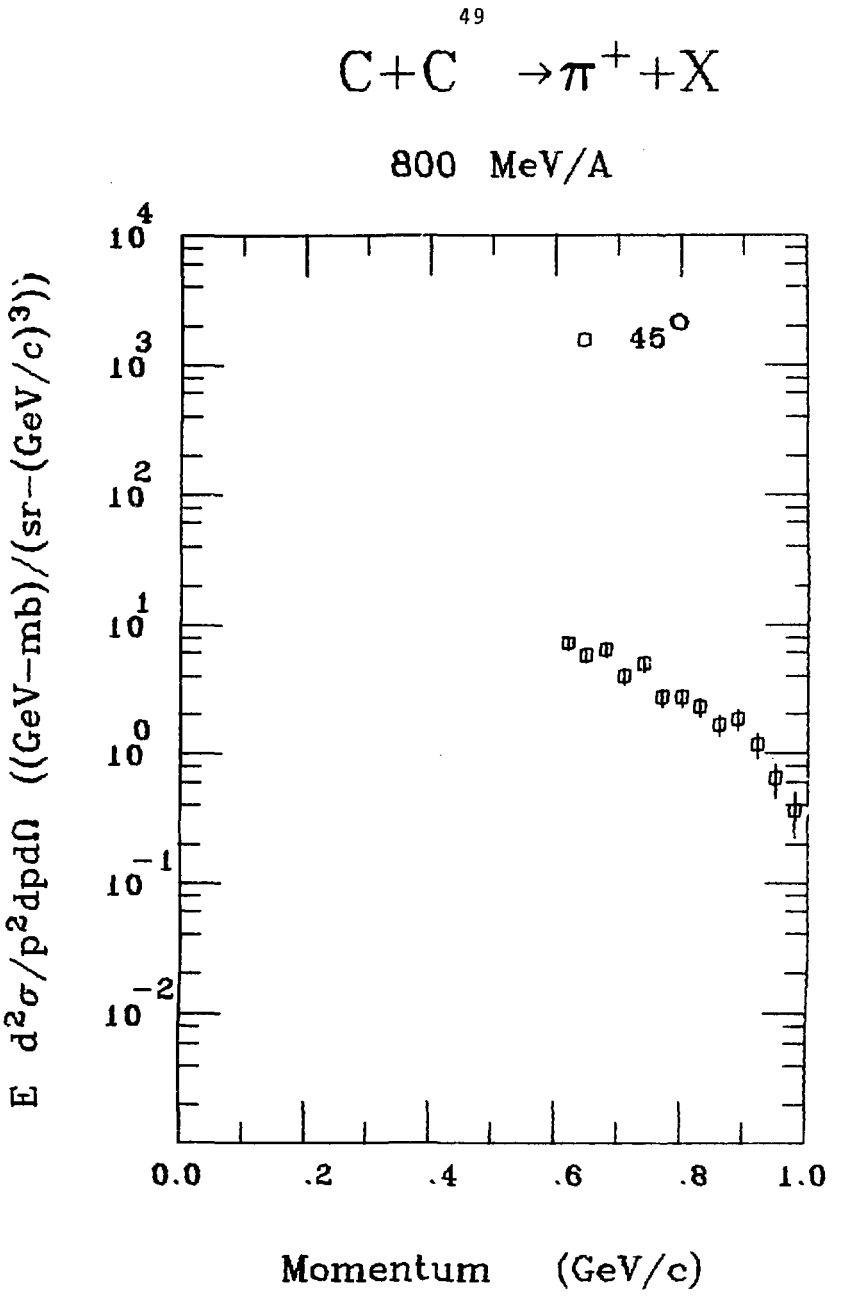
$NE + NAF \rightarrow \pi^+ + X$ 54

$NE + CU \rightarrow \pi^+ + X$ 58

$NE + PB \rightarrow \pi^+ + X$ 62

$(.6\ GEV/c \leqslant P_{\pi^+} \leqslant 1\ GEV/c)$


C+C →π⁺+X
800 MeV/A
15°
70°
E d²σ/p²dpdΩ ((GeV−mb)/(sr−(GeV/c)³))
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)
XBL 7812-13786



XBL 7812-13787

C + C TO PI INCLUSIVE 0.80 GEV/A

15DEG RUNS 225 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
619	111.27+-	11.30	649	83.66+-	11.01	679	64.18+-	9.33	709	67.42+-	8.18
739	53.14+-	7.10	769	49.14+-	6.69	799	30.61+-	5.17	829	22.73+-	4.37
859	10.56+-	2.93	889	5.49+-	2.08	919	8.31+-	3.15	949	9.57+-	2.65
979	5.00+-	1.89	1009	4.87+-	1.84	1039	.68+-	.68	1069	0.00+-	0.00
1099	2.58+-	1.29	1129	1.91+-	1.10	1159	1.26+-	.89	1189	1.87+-	1.08
1219	1.24+-	.88	1249	5.53+-	1.84	1279	2.44+-	1.22	1309	1.21+-	.86
1459	.59+-	.59	1489	0.00+-	0.00	1519	.58+-	.58	1549	0.00+-	0.00

45DEG RUNS 220 223

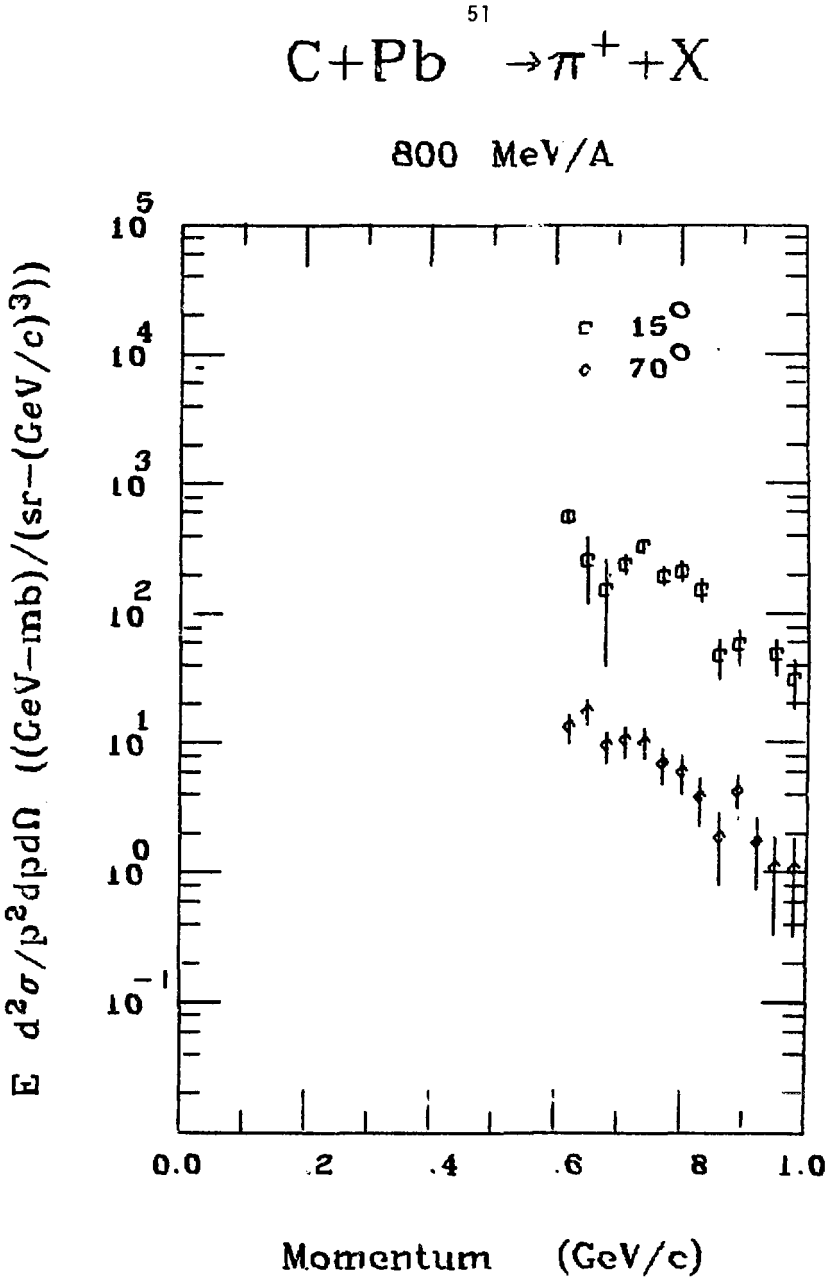
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
619	7.08+-	.77	649	5.69+-	.67	679	6.26+-	.69	709	3.93+-	.54
739	4.88+-	.58	769	2.74+-	.43	799	2.70+-	.42	829	2.29+-	.38
859	1.67+-	.32	889	1.85+-	.33	919	1.17+-	.26	949	.65+-	.19
979	.37+-	.14	1009	.56+-	.17	1039	.05+-	.05	1069	.49+-	.15
1099	.14+-	.08	1129	.09+-	.07	1159	.09+-	.07	1189	.05+-	.05
1219	.09+-	.06	1249	.09+-	.06	1279	.04+-	.04	1309	0.00+-	0.00

70DEG RUNS 229 231

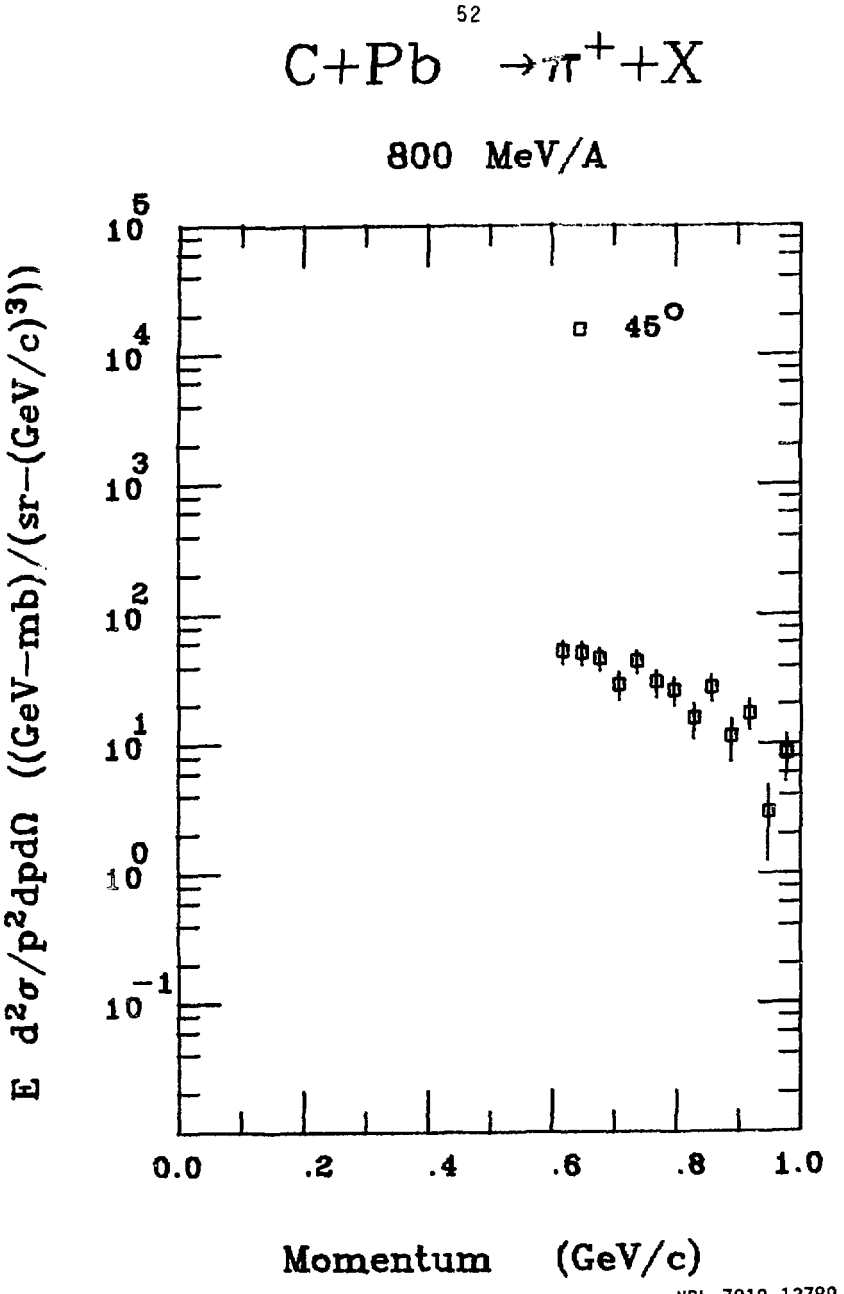
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
622	.73+-	.16	652	.93+-	.18	682	.47+-	.12	712	.57+-	.13
742	.52+-	.12	772	.47+-	.11	802	.40+-	.10	832	.13+-	.06
862	.12+-	.06	892	.07+-	.04	922	.05+-	.03	952	.04+-	.03
982	.13+-	.05	1012	.02+-	.02	1042	0.00+-	0.00	1072	.04+-	.03

145DEG RUNS 252

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA



XBL 7812-13788



XBL 7812-13789

C +PB TO PI INCLUSIVE 0.80 GEV/A

15DEG RUNS 226 227 228

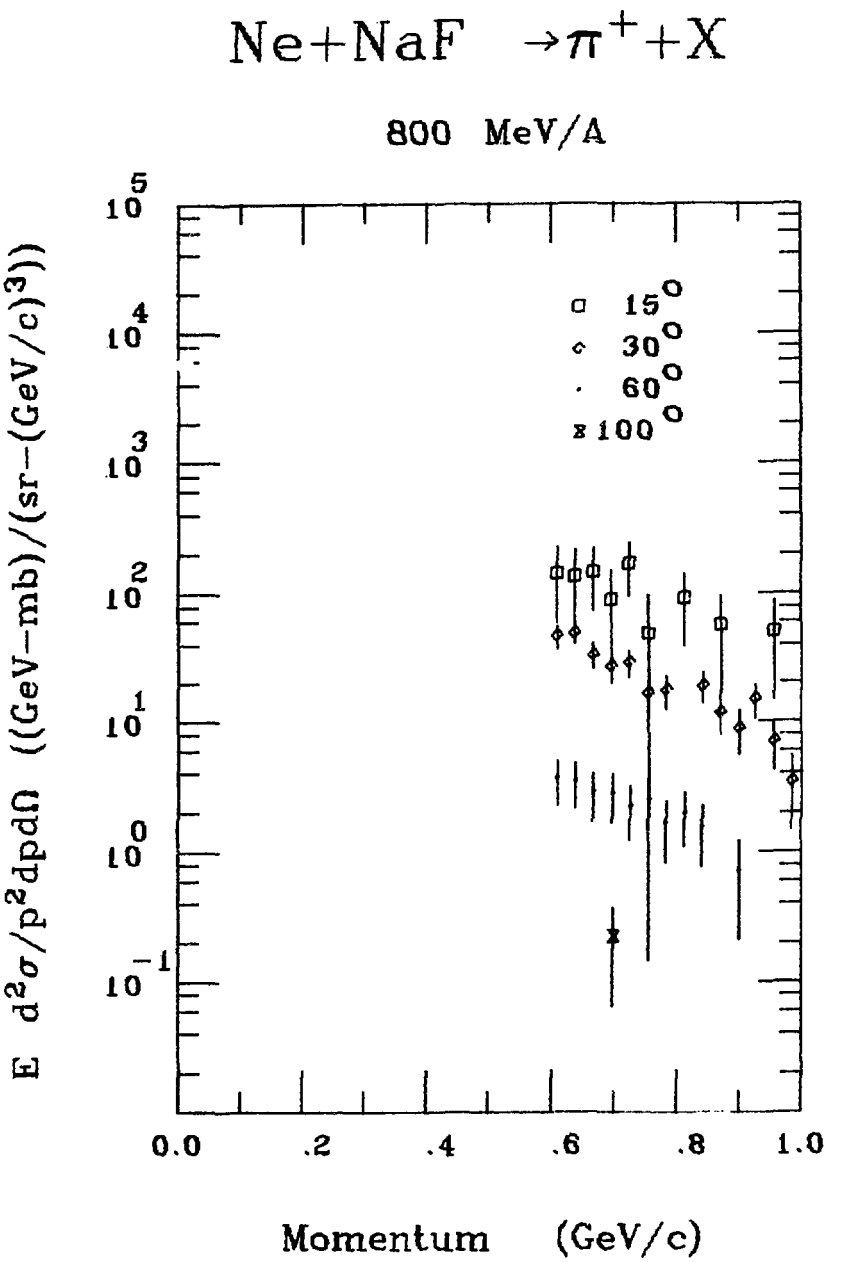
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	549.10+-	67.59	648	254.79+-	137.00	678	150.11+-	111.95	708	237.56+-	41.35
738	323.72+-	47.22	768	191.75+-	35.61	798	209.17+-	36.41	828	152.49+-	30.50
858	47.03+-	16.63	888	56.76+-	17.95	918	7.06+-	45.48	948	48.04+-	16.01
978	31.13+-	12.71	1008	15.19+-	8.77	1038	14.75+-	8.51	1068	14.39+-	8.31
1098	0.00+-	0.00	1128	13.80+-	7.97	1158	4.54+-	4.54	1188	22.70+-	10.15
1218	8.98+-	6.35	1248	26.72+-	10.91	1278	4.44+-	4.44	1308	13.23+-	7.64
1338	21.85+-	9.77	1368	0.00+-	0.00	1398	0.00+-	0.00	1428	0.00+-	0.00
1458	8.46+-	5.98	1488	0.00+-	0.00	1518	0.00+-	0.00	1548	0.00+-	0.00

45DEG RUNS 221 222 223

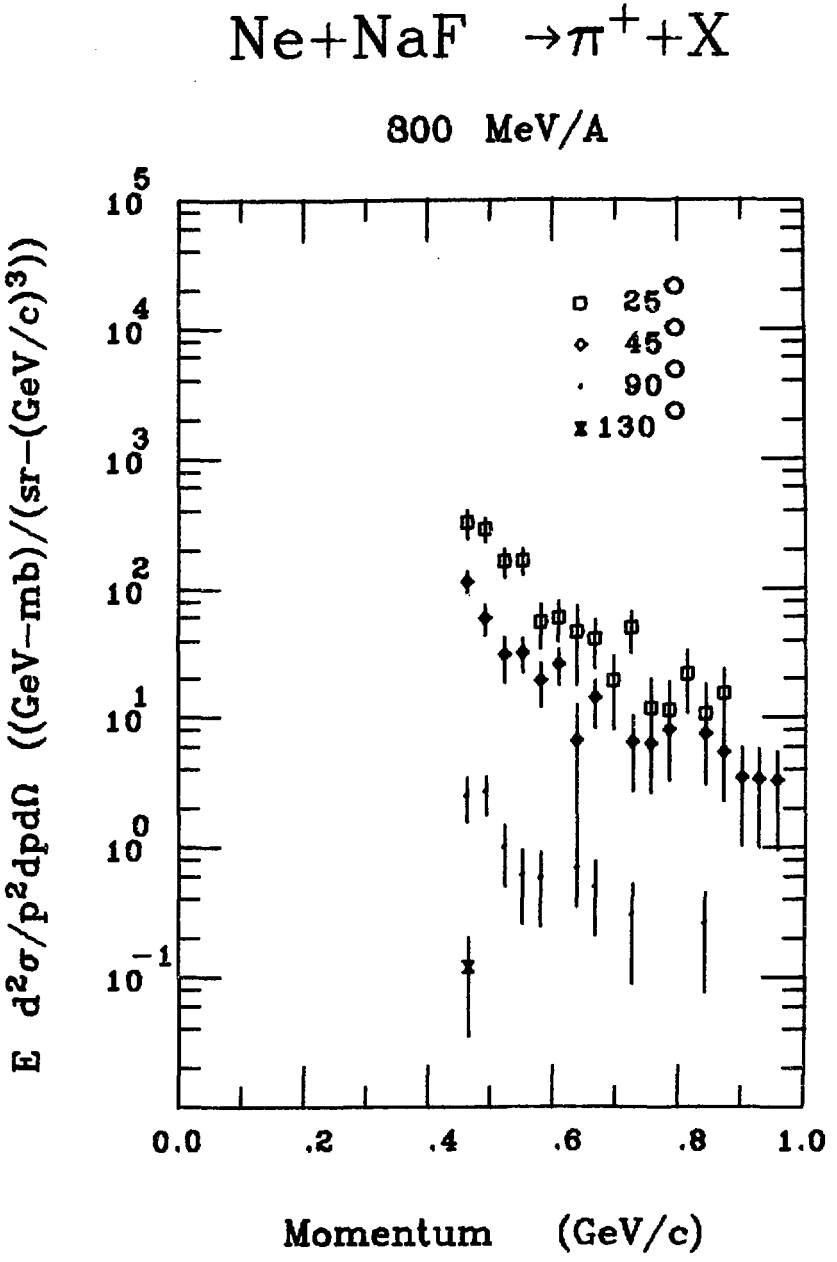
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	51.89+-	10.06	648	50.35+-	9.44	678	45.55+-	8.99	708	28.73+-	6.83
738	43.33+-	8.39	768	30.02+-	6.92	798	26.11+-	6.20	828	15.61+-	4.74
858	27.53+-	6.20	888	11.33+-	4.01	918	17.18+-	4.63	948	3.01+-	1.74
978	8.40+-	3.20	1008	7.86+-	3.00	1038	3.37+-	1.96	1068	4.48+-	2.25
1098	.88+-	.88	1128	1.15+-	1.15	1158	.86+-	.86	1188	0.00+-	0.00
1218	4.20+-	2.11	1248	0.00+-	0.00	1278	1.10+-	1.10	1308	0.00+-	0.00
1458	0.00+-	0.00	1488	0.00+-	0.00	1518	0.00+-	0.00	1548	1.04+-	1.04

70DEG RUNS 230 231

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
619	13.13+-	3.39	649	17.47+-	3.81	679	9.51+-	2.74	709	10.59+-	2.83
739	10.14+-	2.71	769	6.94+-	2.20	799	6.01+-	2.00	829	3.85+-	1.57
859	1.86+-	1.07	889	4.19+-	1.58	919	1.74+-	1.00	949	1.12+-	.79
979	1.09+-	.77	1009	.53+-	.53	1039	1.03+-	.73	1069	.50+-	.50



XBL 7812-13790



XBL 7812-13791

NE +NAF TO PI INCLUSIVE 0.80 GEV/A

15DEG RUNS 961 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	139.70+-	82.18	638	133.00+-	78.23	667	144.93+-	72.47	696	86.78+-	62.46
725	166.19+-	74.32	754	48.01+-	47.87	783	0.00+-	0.00	812	88.96+-	51.36
956	50.77+-	35.90	985	24.72+-	24.72	1014	0.00+-	0.00	1042	0.00+-	0.00
1298	10.81+-	23.97	1326	0.00+-	0.00	1354	0.00+-	0.00	1382	0.00+-	0.00

25DEG RUNS 881 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	59.04+-	20.87	638	45.43+-	27.59	667	40.23+-	16.43	696	19.25+-	11.11
725	49.21+-	17.40	754	11.82+-	8.36	783	11.38+-	8.05	812	21.95+-	10.98
841	10.60+-	7.50	870	15.40+-	8.89	899	4.98+-	4.98	928	4.83+-	4.83
956	4.70+-	4.70	985	0.00+-	0.00	1014	8.93+-	6.31	1042	13.08+-	7.55

30DEG RUNS 880 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	45.35+-	9.26	638	48.57+-	9.35	667	32.62+-	7.48	696	26.28+-	6.57
726	28.35+-	6.68	755	16.65+-	5.02	783	17.48+-	5.05	812	.68+-	14.09
841	19.01+-	5.08	870	11.83+-	3.94	899	8.92+-	3.37	928	14.84+-	4.28
956	7.22+-	2.95	985	3.52+-	2.03	1014	8.00+-	3.02	1042	5.58+-	2.50
1071	6.55+-	2.68	1099	1.07+-	1.07	1128	1.06+-	1.06	1156	4.20+-	2.10
1298	0.00+-	0.00	1326	0.00+-	0.00	1354	0.00+-	0.00	1382	1.00+-	1.00

45DEG RUNS 872 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	25.96+-	8.21	638	6.69+-	5.89	667	14.15+-	5.78	697	2.26+-	2.26
726	6.49+-	3.75	755	6.24+-	3.60	784	8.01+-	4.00	812	0.00+-	0.00
841	7.46+-	3.73	870	5.42+-	3.13	899	3.50+-	2.47	928	3.40+-	2.40
956	3.30+-	2.34	985	1.61+-	1.61	1014	1.57+-	1.57	1042	0.00+-	0.00

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NE +NAF TO PI INCLUSIVE 0.80 GEV/A
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60DEG RUNS 852 891 856 886

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	3.67+-	1.39	639	3.49+-	1.32	668	2.85+-	1.16	697	2.77+-	1.13
726	2.21+-	.99	755	2.55+-	1.04	784	1.64+-	.82	813	1.97+-	.88
842	1.53+-	.76	870	.37+-	.37	899	.72+-	.51	928	.35+-	.35
1071	.61+-	.43	1100	0.00+-	0.00	1128	.30+-	.30	1157	0.00+-	0.00

90DEG RUNS 951 956

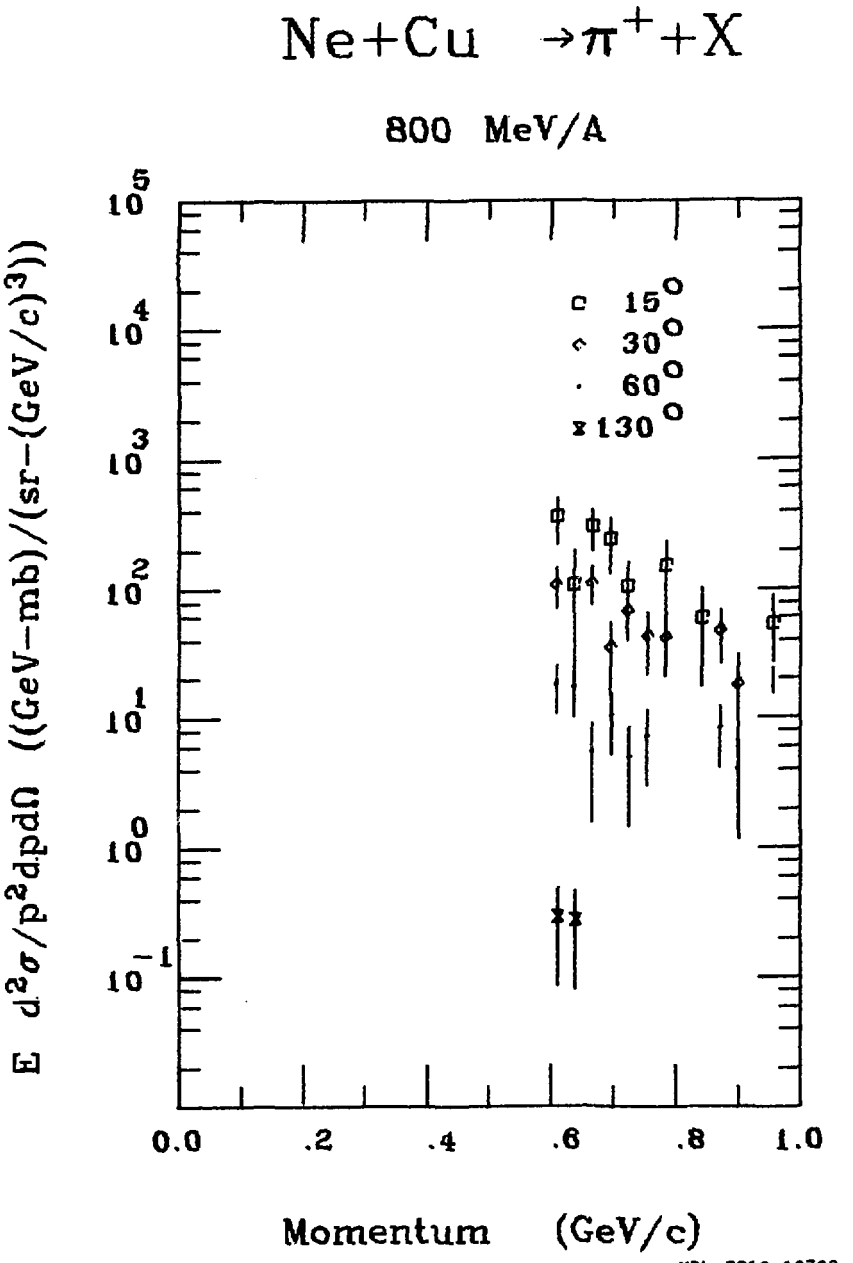
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
726	.31+-	.22	755	0.00+-	0.00	784	0.00+-	0.00	813	.14+-	.14
842	.26+-	.19	870	0.00+-	0.00	899	0.00+-	0.00	928	0.00+-	0.00

100DEG RUNS 928 933

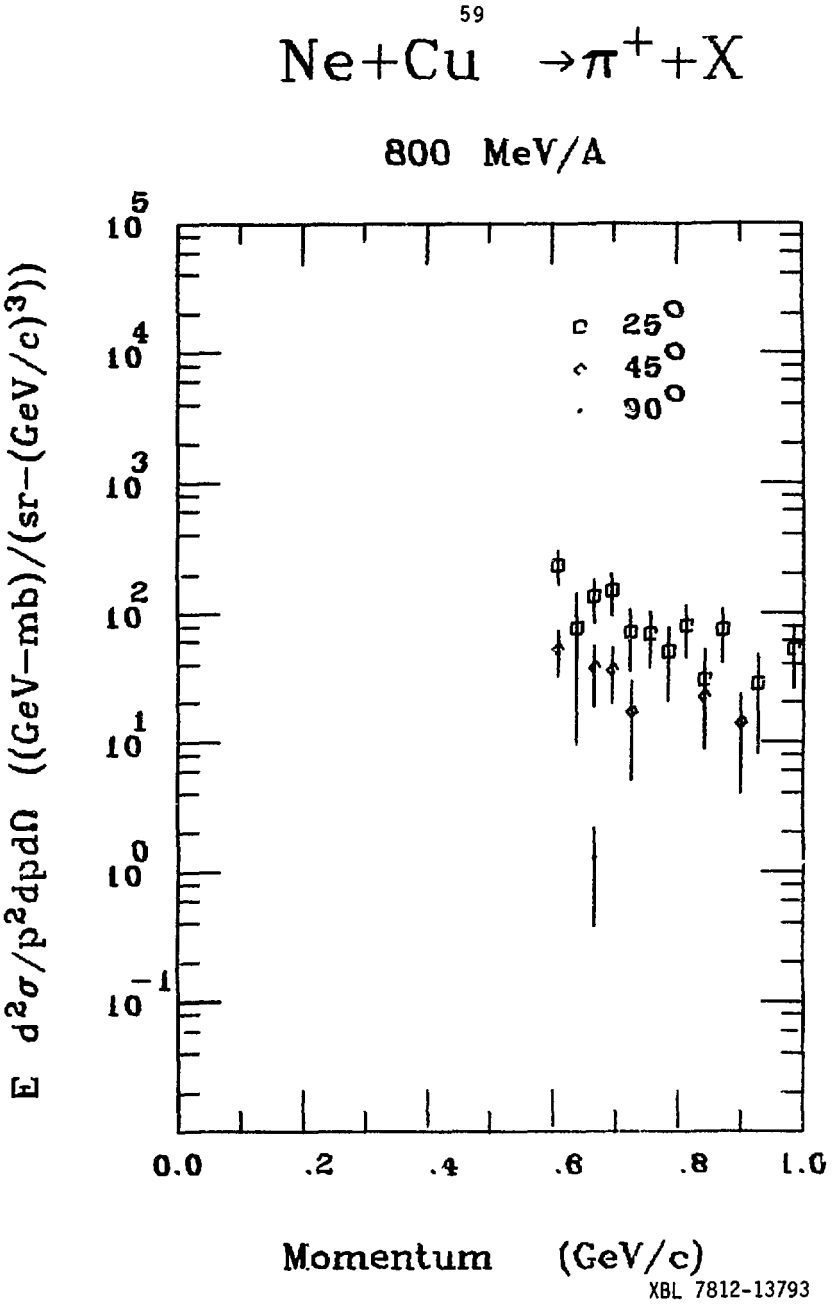
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
611	.13+-	.13	640	.12+-	.12	669	0.00+-	0.00	698	.22+-	.16

130DEG RUNS 938 947 948

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
611	.03+-	.03	640	0.00+-	0.00	669	.03+-	.03	698	0.00+-	0.00



XBL 7812-13792


Ne+Cu →π⁺+X
800 MeV/A
25°
45°
90°
E d²σ/p²dpdΩ ((GeV−mb)/(sr−(GeV/c)³))
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)
XBL 7812-13793

NE +CU TO PI INCLUSIVE 0.80 GEV/A

15DEG RUNS 960 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	360.23+-	141.31	638	106.65+-	93.77	667	300.70+-	106.31	696	241.22+-	111.82
725	103.44+-	59.72	754	23.46+-	63.46	783	150.15+-	88.32	812	30.76+-	30.76
841	59.44+-	42.03	870	28.77+-	28.77	899	27.89+-	27.89	928	0.00+-	0.00
956	52.67+-	37.24	985	25.65+-	25.65	1014	0.00+-	0.00	1042	73.32+-	42.33
1071	47.82+-	33.82	1099	0.00+-	0.00	1128	23.14+-	23.14	1156	22.97+-	22.97
1298	0.00+-	0.00	1326	0.00+-	0.00	1354	0.00+-	0.00	1382	21.94+-	21.94

25DEG RUNS 883 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	232.12+-	69.99	638	76.01+-	66.36	667	134.22+-	50.73	696	146.75+-	51.88
725	70.35+-	35.18	754	67.60+-	33.80	783	48.81+-	28.18	812	78.46+-	35.09
841	30.32+-	21.44	870	73.37+-	32.81	899	14.23+-	14.23	928	27.63+-	19.53
956	0.00+-	0.00	985	52.34+-	26.17	1014	12.76+-	12.76	1042	12.47+-	12.47
1071	0.00+-	0.00	1099	0.00+-	0.00	1128	11.80+-	11.80	1156	11.72+-	11.72
1185	11.64+-	11.64	1213	0.00+-	0.00	1241	11.49+-	11.49	1270	0.00+-	0.00

30DEG RUNS 879 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	107.13+-	37.88	638	12.75+-	12.75	667	109.51+-	36.50	696	34.92+-	20.16
726	66.97+-	27.34	755	42.90+-	21.45	783	41.30+-	20.65	812	0.00+-	0.00
956	0.00+-	0.00	985	0.00+-	0.00	1014	16.20+-	11.45	1042	7.91+-	7.91

45DEG RUNS 871 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	51.40+-	22.99	638	1.63+-	12.74	667	37.37+-	18.68	697	35.75+-	17.87
726	17.14+-	12.12	755	8.23+-	8.23	784	0.00+-	0.00	812	7.65+-	7.65
841	22.16+-	12.79	870	0.00+-	0.00	899	13.86+-	9.80	928	0.00+-	0.00

NE +CU TO PI INCLUSIVE 0.80 GEV/A

60DEG RUNS 856 886 854

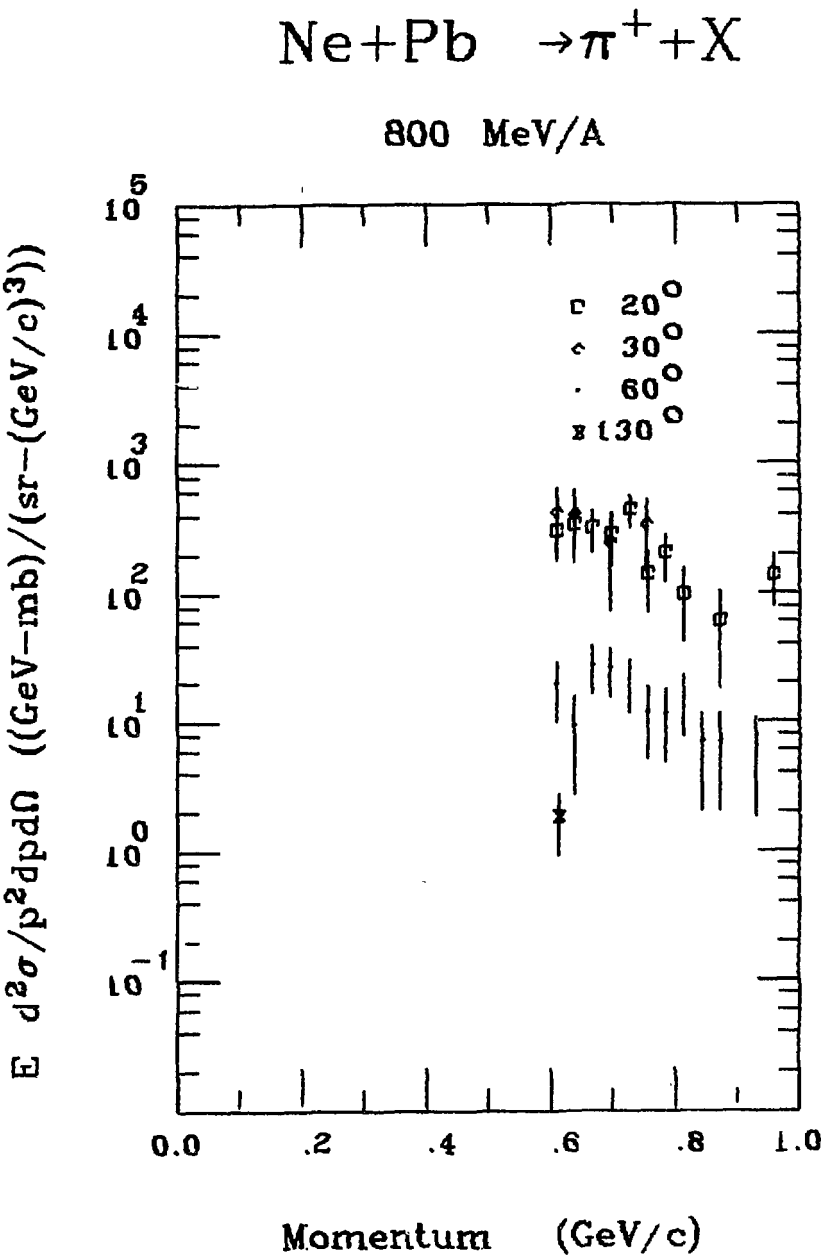
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	17.90+-	7.31	639	17.04+-	6.96	668	5.42+-	3.83	697	10.37+-	5.19
726	4.97+-	3.52	755	7.17+-	4.14	784	2.30+-	2.30	813	2.22+-	2.22
957	0.00+-	0.00	985	0.00+-	0.00	1014	0.00+-	0.00	1043	1.76+-	1.76

90DEG RUNS 952 956

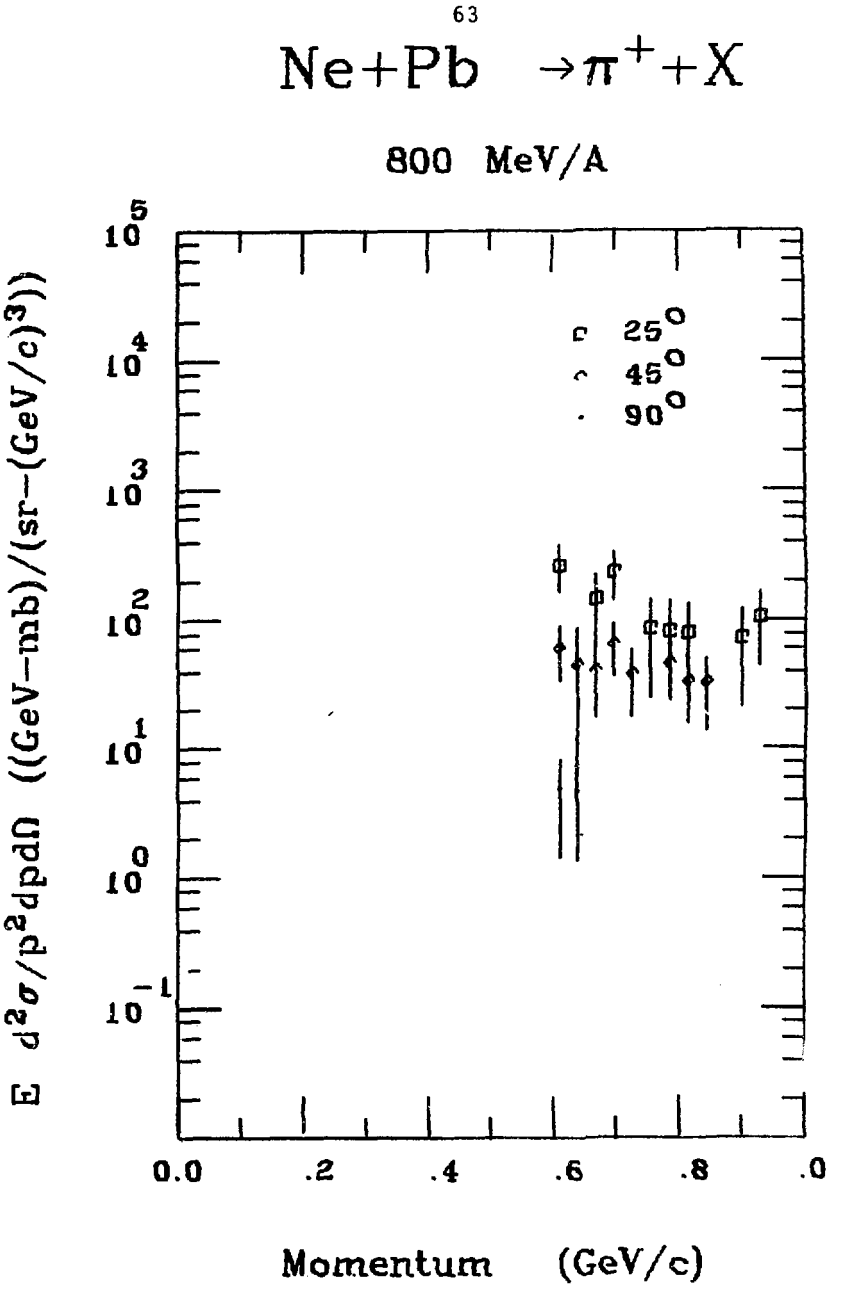
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA

130DEG RUNS 942 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
611	.29+-	.21	640	.28+-	.20	669	0.00+-	0.00	698	0.00+-	0.00
727	.12+-	.12	756	0.00+-	0.00	785	0.00+-	0.00	814	0.00+-	0.00



XBL 7812-13794



XBL 7812-13795

NE +PB TO PI INCLUSIVE 0.80 GEV/A

20DEG RUNS 827 826

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	303.83+-	114.84	639	330.58+-	116.88	668	315.52+-	111.55	697	282.48+-	126.80
726	434.18+-	125.34	755	139.06+-	69.53	784	200.81+-	81.98	813	96.84+-	55.91
957	138.18+-	61.80	985	26.92+-	26.92	1014	0.00+-	0.00	1043	51.30+-	36.28
1185	0.00+-	0.00	1213	23.79+-	23.79	1242	23.64+-	23.64	1270	23.51+-	23.51

25DEG RUNS 882 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	263.27+-	117.74	638	0.00+-	0.00	667	143.53+-	82.87	696	228.86+-	102.35
725	43.89+-	43.89	754	84.33+-	59.63	783	81.19+-	57.41	812	78.30+-	55.37
841	0.00+-	0.00	870	0.00+-	0.00	899	70.99+-	50.20	928	103.39+-	59.69
956	33.52+-	33.52	985	32.65+-	32.65	1014	31.84+-	31.84	1042	0.00+-	0.00

30DEG RUNS 844 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	413.64+-	238.82	638	393.78+-	227.35	667	0.00+-	0.00	696	239.71+-	169.50
725	114.92+-	114.92	754	331.25+-	191.25	783	106.30+-	106.30	812	0.00+-	0.00

45DEG RUNS 866 867 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	59.93+-	29.96	638	45.04+-	41.32	667	40.84+-	23.58	696	65.38+-	29.24
725	37.46+-	21.63	754	12.00+-	12.00	783	46.44+-	23.22	812	33.42+-	19.30
841	32.51+-	18.77	870	0.00+-	0.00	899	10.10+-	10.10	928	0.00+-	0.00
956	9.54+-	9.54	985	9.29+-	9.29	1014	9.06+-	9.06	1042	0.00+-	0.00
1071	8.66+-	8.66	1099	0.00+-	0.00	1128	8.38+-	8.38	1156	0.00+-	0.00

NE +PB TO PI INCLUSIVE 0.80 GEV/A

60DEG RUNS 848 849 856

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	19.62+-	9.82	638	9.18+-	6.49	668	27.20+-	11.11	697	25.73+-	10.51
726	20.94+-	9.37	755	11.85+-	6.85	784	11.41+-	6.59	813	15.09+-	7.55
841	6.93+-	4.90	870	6.94+-	4.91	899	0.00+-	0.00	928	6.31+-	4.46
957	3.07+-	3.07	985	0.00+-	0.00	1014	2.92+-	2.92	1042	0.00+-	0.00

90DEG RUNS 955 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
609	4.89+-	3.46	638	4.65+-	3.29	668	0.00+-	0.00	697	0.00+-	0.00
841	0.00+-	0.00	870	1.70+-	1.70	899	0.00+-	0.00	928	1.60+-	1.60

130DEG RUNS 939 941 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
610	1.84+-	.92	639	0.00+-	0.00	669	.38+-	.38	698	.40+-	.40
727	.38+-	.38	756	0.00+-	0.00	785	0.00+-	0.00	814	0.00+-	0.00

INCLUSIVE INVARIANT CROSS-SECTIONS FOR PROTON PRODUCTION (PART 1) IN THE REACTIONS:

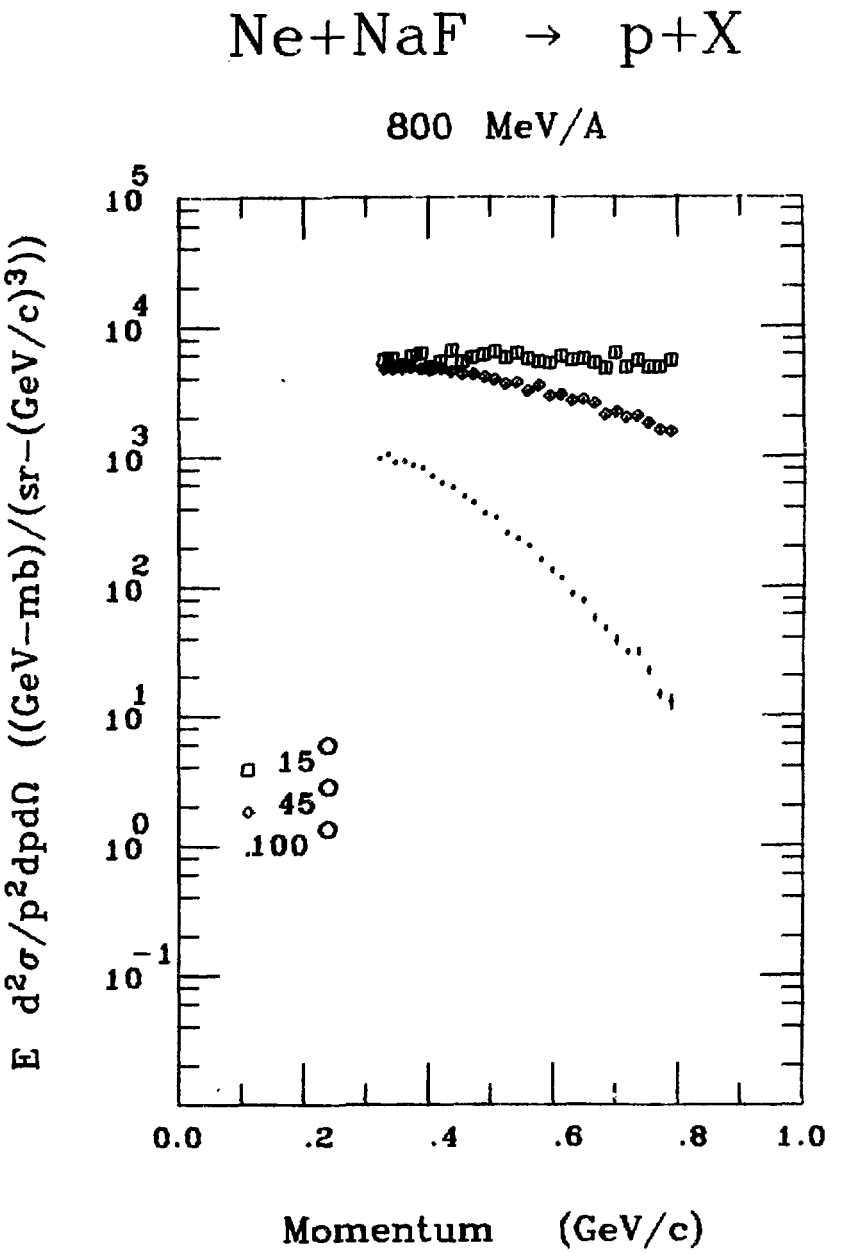
PAGE

NE + NAF → P + X..... 67

NE + CU → P + X..... 73

NE + PB → P + X..... 79

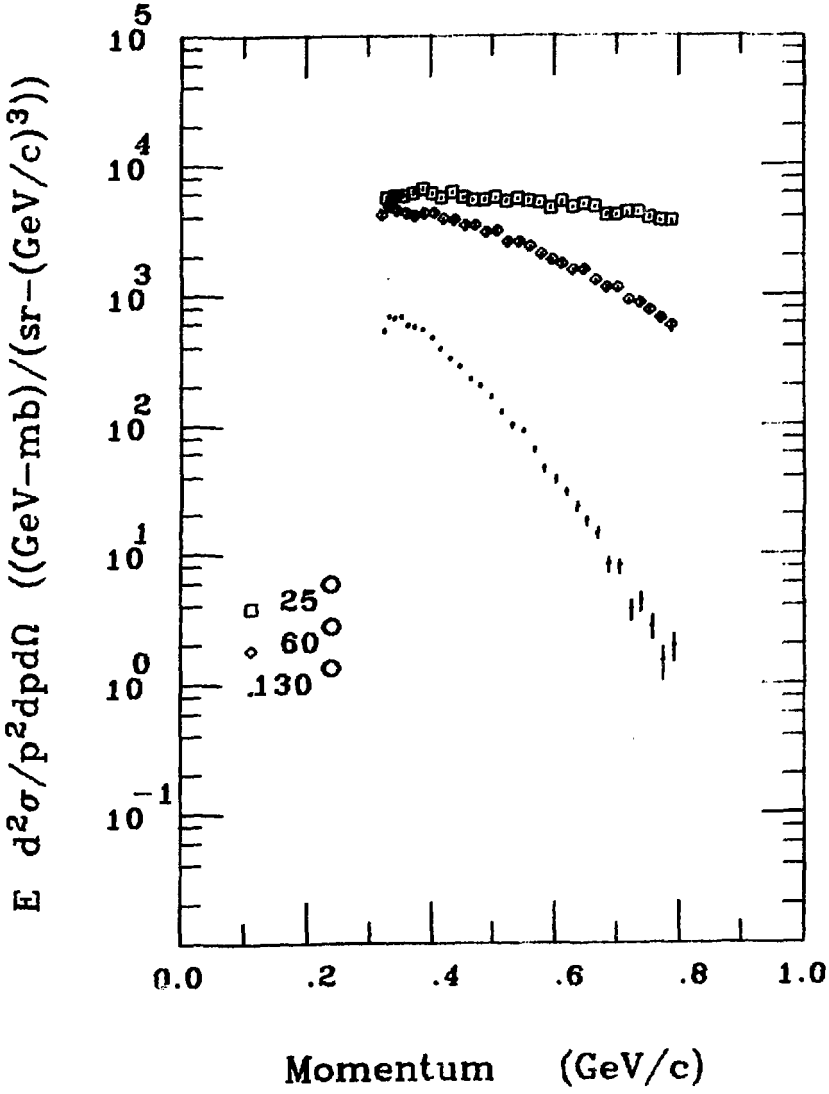
(.3 GEV/C $\leq P_P \leq$ .8 GEV/C)



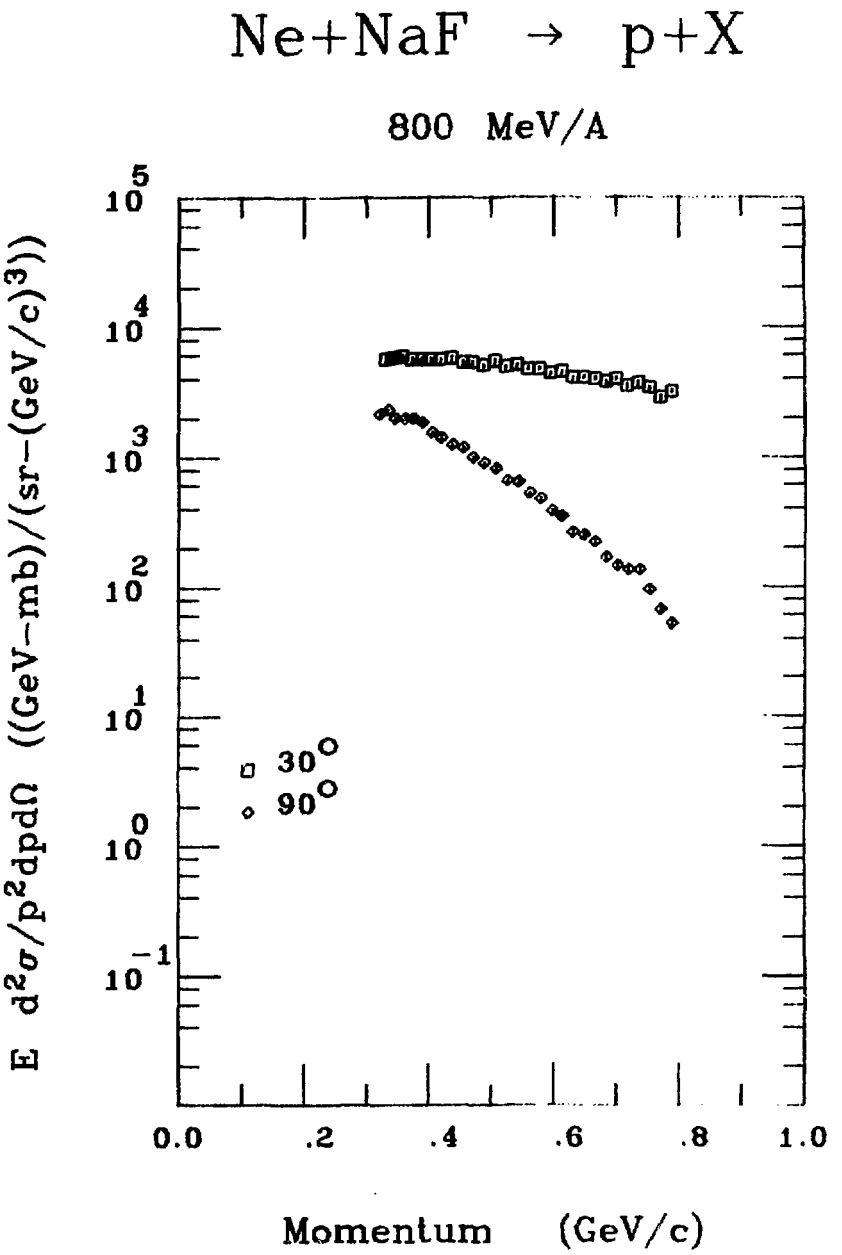
XBL 7812-13796

$Ne+NaF^{68} \rightarrow p+X$

800 MeV/A



XBL 7812-13797



XBL 7812-13798

NE +NAF TO P INCLUSIVE 0.80 GEV/A

15DEG RUNS 962 963

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	330	5563.34+-	756.83	343	5587.56+-	682.96
357	4946.64+-	624.09	372	5904.42+-	661.99	388	6269.47+-	638.75	404	4841.48+-	573.27
420	5297.09+-	568.49	437	6581.82+-	563.16	454	5325.35+-	521.47	472	5805.83+-	527.59
489	6083.46+-	542.04	507	6353.80+-	529.96	524	5712.23+-	495.44	542	6236.83+-	501.16
560	5569.67+-	472.73	577	5342.22+-	456.66	595	5241.54+-	432.86	613	5857.10+-	461.92
631	5529.75+-	452.03	648	5569.22+-	436.10	666	5182.46+-	432.06	683	4747.95+-	392.23
701	6231.68+-	450.21	718	4862.46+-	402.20	736	5468.51+-	405.57	753	4880.88+-	394.23
771	4872.74+-	383.41	788	5558.01+-	405.96	806	0.00+-	0.00	823	0.00+-	0.00

25DEG RUNS 861 862 865

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	330	5618.01+-	271.18	344	5842.40+-	247.31
358	5798.93+-	230.98	373	6077.32+-	229.45	388	6561.43+-	223.53	404	6086.08+-	212.12
421	5645.33+-	196.85	437	6202.37+-	200.65	455	5651.94+-	186.26	472	5388.20+-	178.31
489	5423.15+-	172.69	507	5651.46+-	173.58	525	5271.48+-	163.97	542	5494.55+-	164.22
560	5278.27+-	159.03	578	5102.97+-	154.71	595	4652.05+-	148.76	613	5187.35+-	150.22
631	4712.20+-	143.77	648	4958.86+-	142.96	666	4742.34+-	138.37	683	4106.23+-	130.26
701	4062.44+-	128.41	719	4243.14+-	128.82	736	4259.63+-	126.82	753	3913.13+-	121.17
771	3689.42+-	117.24	788	3672.53+-	114.82	806	0.00+-	0.00	823	0.00+-	0.00

30DEG RUNS 966 968

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	331	5687.27+-	340.78	344	5721.81+-	305.68
358	5864.14+-	292.28	373	5605.82+-	269.21	388	5638.69+-	259.99	404	5641.87+-	255.04
421	5598.63+-	247.10	438	5791.68+-	239.65	455	5378.59+-	227.13	472	5338.13+-	220.75
490	5066.21+-	209.08	507	5491.92+-	213.59	525	4932.17+-	201.40	542	5069.24+-	199.79
560	4779.08+-	190.56	578	4784.08+-	187.20	595	4366.55+-	174.94	613	4482.19+-	178.74
631	4038.38+-	167.82	648	4121.24+-	165.69	666	4013.75+-	161.46	683	3757.81+-	152.36
701	4007.91+-	157.09	719	3516.17+-	146.01	736	3696.43+-	148.54	754	3390.41+-	142.39
771	2897.04+-	130.28	788	3203.11+-	134.34	806	0.00+-	0.00	823	0.00+-	0.00

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NE +NAF TO P INCLUSIVE 0.80 GEV/A
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45DEG RUNS 873 874 875 876

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	332	4736.64+-	181.16	345	4682.89+-	163.09
359	4928.88+-	165.53	374	4856.05+-	160.02	389	4770.48+-	156.52	405	4636.38+-	140.19
422	4749.01+-	131.70	438	4492.46+-	133.80	455	4244.78+-	126.95	473	4270.24+-	120.19
490	4092.67+-	110.52	508	3892.37+-	112.38	525	3571.39+-	99.50	543	3692.79+-	100.54
560	3207.57+-	97.57	578	3502.93+-	97.82	596	2899.15+-	87.64	613	2988.06+-	87.57
631	2709.46+-	80.71	649	2739.03+-	81.05	666	2548.30+-	82.01	684	2084.88+-	72.74
701	2206.17+-	70.85	719	1990.78+-	65.90	736	2044.77+-	67.87	754	1794.03+-	64.38
771	1605.66+-	60.75	789	1556.46+-	55.47	806	0.00+-	0.00	823	0.00+-	0.00

60DEG RUNS 853 889 890 887

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	323	4216.46+-	294.35	335	4840.43+-	262.66	348	4461.19+-	220.50
361	4271.62+-	200.74	376	4066.43+-	276.61	391	4329.97+-	174.14	407	4266.17+-	163.50
423	3931.16+-	98.09	440	3806.24+-	143.52	457	3434.07+-	198.59	474	3468.51+-	85.19
491	3024.65+-	122.21	509	3120.60+-	77.54	526	2567.27+-	111.39	544	2546.47+-	67.67
561	2340.79+-	63.87	579	2020.08+-	58.49	597	1840.70+-	55.07	614	1707.79+-	118.96
632	1535.00+-	49.06	649	1560.98+-	48.91	667	1268.41+-	43.59	685	1123.44+-	40.59
702	1119.03+-	40.10	719	888.82+-	35.38	737	865.27+-	73.59	754	762.61+-	32.15
772	658.11+-	29.58	789	573.57+-	67.31	806	0.00+-	0.00	824	0.00+-	0.00

90DEG RUNS 950 957

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	323	2167.45+-	64.57	335	2302.90+-	60.88	348	1999.53+-	51.98
361	2007.93+-	49.17	376	1998.69+-	46.92	391	1826.55+-	42.82	407	1570.77+-	38.49
423	1403.74+-	34.67	440	1238.39+-	31.75	457	1169.03+-	30.05	474	981.57+-	27.40
491	897.33+-	25.57	509	823.10+-	23.71	526	650.60+-	20.82	544	637.04+-	20.22
561	520.43+-	17.83	579	470.02+-	16.83	597	374.08+-	14.71	614	343.65+-	14.01
632	261.37+-	12.04	649	245.05+-	11.68	667	218.71+-	10.84	685	165.43+-	9.28
702	142.93+-	8.44	719	133.63+-	8.09	737	132.97+-	7.93	754	94.21+-	6.74
772	66.58+-	5.51	789	52.55+-	5.09	806	0.00+-	0.00	824	0.00+-	0.00

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NE +NAF TO P INCLUSIVE 0.80 GEV/A
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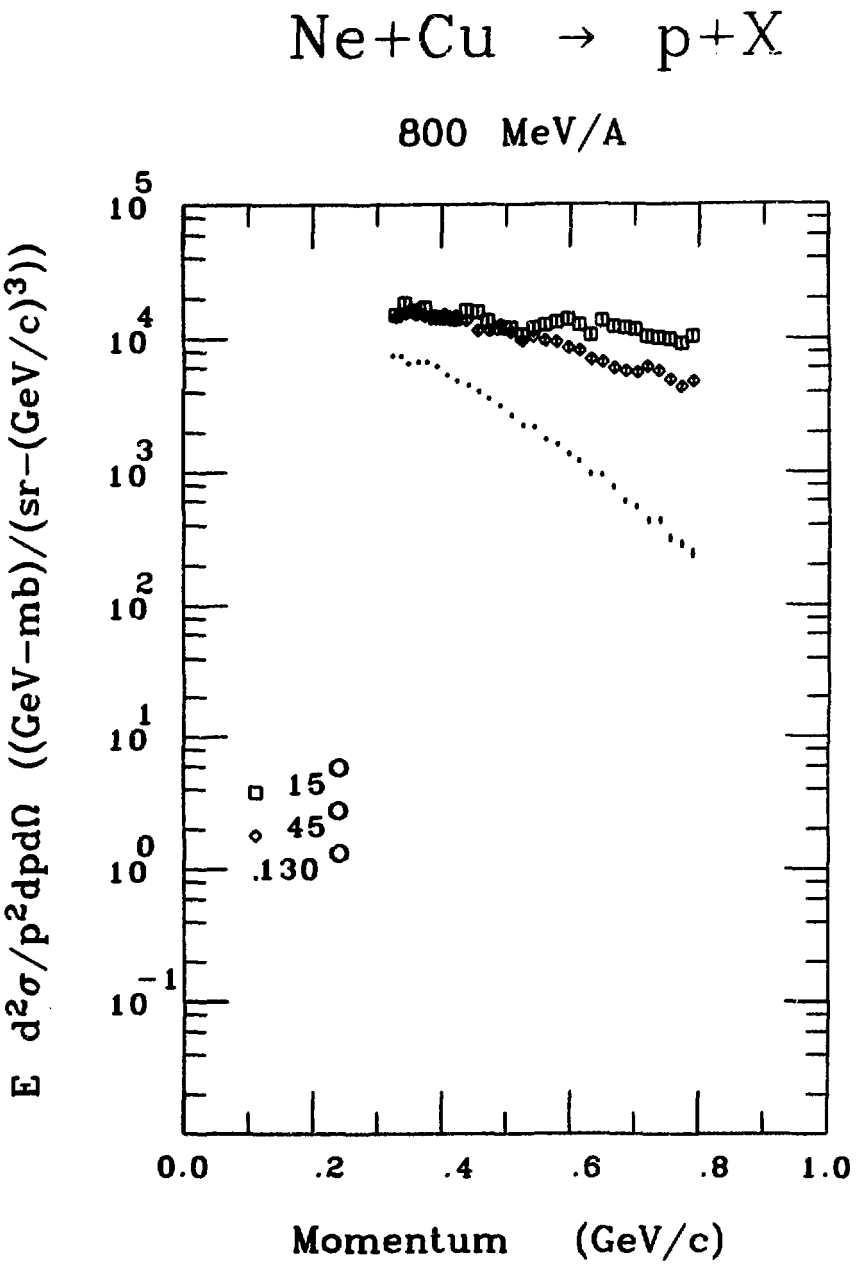
100DEG RUNS 927 935 934

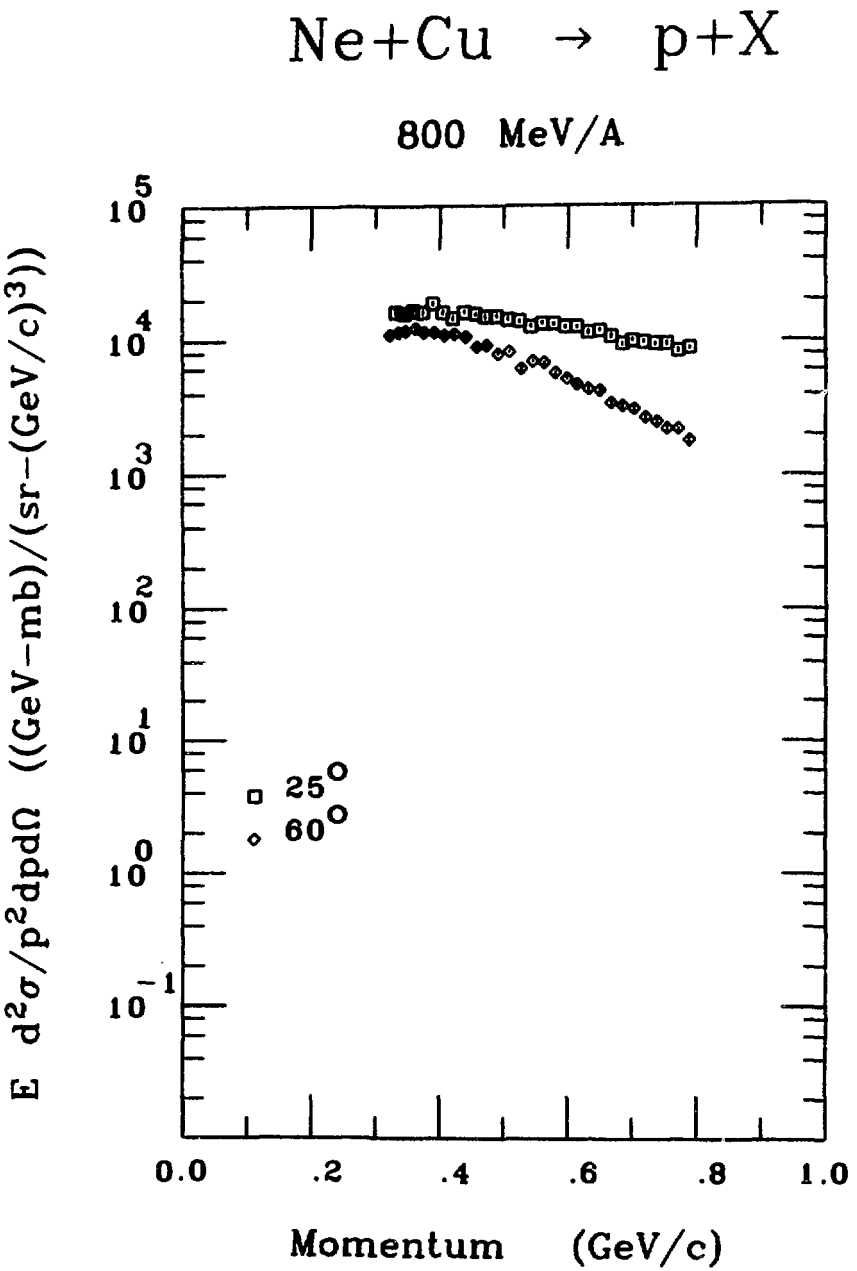
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	323	963.52+-	21.90	335	1033.24+-	19.92	348	891.01+-	18.15
361	918.28+-	16.83	376	855.56+-	14.34	391	811.36+-	13.72	407	707.74+-	14.46
423	625.82+-	11.23	440	577.55+-	11.34	457	483.25+-	11.04	474	433.84+-	10.09
491	361.79+-	8.18	509	333.58+-	7.17	526	253.24+-	7.37	544	232.57+-	6.17
561	201.32+-	5.41	579	159.83+-	4.81	597	131.83+-	4.36	614	114.73+-	4.06
632	86.84+-	3.16	649	76.80+-	3.74	667	56.32+-	3.36	685	47.01+-	2.25
702	38.01+-	3.33	719	30.89+-	1.79	737	31.10+-	1.78	754	22.40+-	1.49
772	14.66+-	1.29	789	12.90+-	1.79	806	0.00+-	0.00	824	0.00+-	0.00

130DEG RUNS 936 949 945

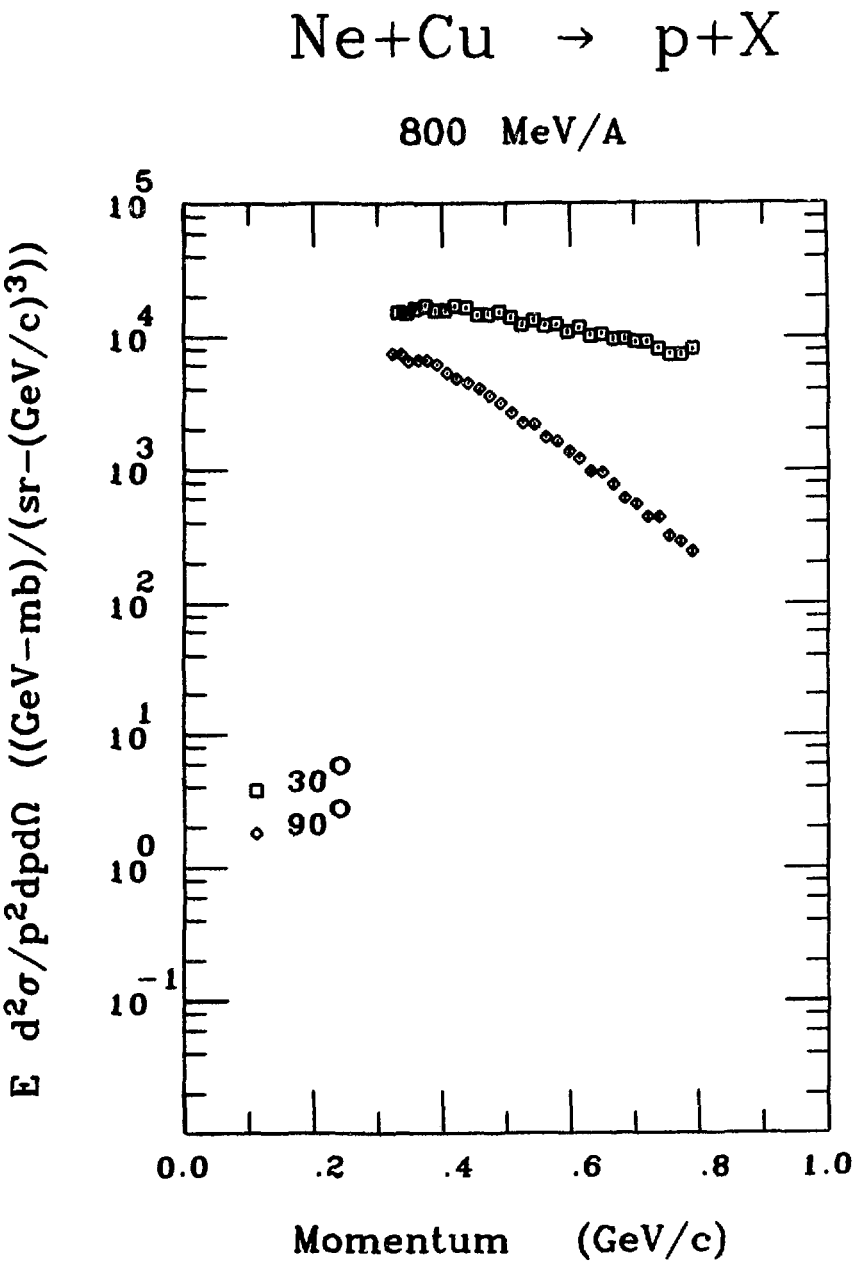
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	0	0.00+-	0.00	326	536.91+-	20.64
334	683.09+-	20.99	343	670.28+-	19.88	353	689.20+-	17.80	364	596.59+-	15.10
377	579.97+-	14.17	390	549.64+-	12.92	404	469.16+-	11.46	419	386.34+-	9.89
434	327.62+-	8.87	450	279.49+-	7.92	466	224.89+-	6.93	483	200.08+-	6.34
499	162.92+-	5.65	516	125.17+-	4.89	533	98.32+-	4.14	551	88.29+-	3.98
568	63.74+-	3.24	585	45.67+-	2.77	602	37.75+-	2.50	620	30.37+-	2.12
637	23.16+-	1.95	654	17.66+-	1.58	672	14.31+-	1.41	689	8.33+-	1.15
706	8.00+-	1.03	724	3.79+-	.70	741	4.35+-	.75	758	2.76+-	.59
775	1.49+-	.43	792	1.95+-	.48	810	0.00+-	0.00	827	0.00+-	0.00


Ne+Cu → p+X
800 MeV/A
E d²σ/p²dpdΩ ((GeV−mb)/(sr−(GeV/c)³))
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
15°
45°
130°
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)

XBL 791-7876


Ne+Cu → p+X
800 MeV/A
E d²σ/p²dpdΩ ((GeV-mb)/(sr-(GeV/c)³))
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
25°
60°
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)

XBL 791-7875


Ne+Cu → p+X
800 MeV/A
E d²σ/p²dpdΩ ((GeV−mb)/(sr−(GeV/c)³))
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
30°
90°
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)

XBL 791-7874

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NE +CU TO P INCLUSIVE 0.80 GEV/A
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15DEG RUNS 959 963

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	330	15023.16+-	1869.98	343	18493.44+-	1847.53
357	16420.46+-	1689.99	372	17255.87+-	1698.88	388	14450.18+-	1476.07	404	14322.84+-	1482.87
420	13970.91+-	1403.30	437	16513.44+-	1331.97	454	15959.78+-	1350.66	472	13899.86+-	1238.97
489	12192.03+-	1196.15	507	12209.92+-	1135.25	524	10687.97+-	1052.22	542	12025.33+-	1067.66
560	12620.56+-	1085.43	577	13563.02+-	1100.58	595	14199.23+-	1066.70	613	12871.58+-	1043.90
631	10676.27+-	977.62	648	13720.13+-	1032.77	666	12593.42+-	1028.20	683	12267.29+-	947.76
701	11798.88+-	954.93	718	10505.12+-	910.21	736	10319.75+-	848.56	753	9879.28+-	868.03
771	9245.40+-	814.22	788	10423.03+-	858.03	806	0.00+-	0.00	823	0.00+-	0.00

25DEG RUNS 863 864 865

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	330	16513.01+-	972.95	343	15862.95+-	857.77
358	16604.10+-	825.45	373	16362.99+-	793.21	388	18987.08+-	804.44	404	16261.44+-	730.79
421	14918.15+-	674.42	437	16460.20+-	688.70	455	15827.36+-	656.33	472	15153.53+-	628.00
489	15351.62+-	612.91	507	14619.66+-	589.85	525	14005.80+-	564.82	542	12866.71+-	532.94
560	13578.14+-	539.69	578	13368.65+-	528.51	595	12699.69+-	514.94	613	12711.24+-	499.02
631	11612.35+-	476.58	648	11991.78+-	472.09	666	10779.54+-	443.63	683	9404.56+-	417.74
701	10087.28+-	426.65	719	9841.08+-	415.75	736	9422.72+-	400.55	753	9517.17+-	400.33
771	8410.97+-	375.21	788	8703.31+-	374.65	806	0.00+-	0.00	823	0.00+-	0.00

30DEG RUNS 967 968

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	331	15445.19+-	929.62	344	15358.55+-	830.08
358	16558.45+-	813.52	373	17381.53+-	785.75	388	15770.17+-	720.92	404	15897.67+-	708.57
421	16989.13+-	710.09	438	16710.01+-	674.06	455	14741.26+-	622.81	472	14967.14+-	611.93
490	15389.48+-	602.74	507	14094.04+-	567.79	525	12448.82+-	531.17	542	13455.57+-	539.57
560	12232.39+-	505.90	578	12347.74+-	498.99	595	11044.04+-	461.80	613	11731.83+-	479.45
631	10290.39+-	444.57	648	10531.55+-	439.55	666	9756.58+-	418.28	683	9722.68+-	406.69
701	9150.46+-	394.82	719	9247.79+-	392.73	736	8270.33+-	369.92	754	7485.22+-	352.86
771	7431.70+-	346.23	788	8121.95+-	355.07	806	0.00+-	0.00	823	0.00+-	0.00

NE +CU TO P INCLUSIVE 0.80 GEV/A

45DEG RUNS 869 875 876

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	332	14647.77+-	827.06	345	15496.02+-	771.22
359	15149.49+-	736.92	374	14900.35+-	703.92	389	14776.29+-	680.68	405	15296.43+-	649.23
421	14679.28+-	603.89	438	13672.48+-	584.46	455	11589.08+-	526.48	473	11532.90+-	504.89
490	12656.18+-	507.30	508	11267.46+-	482.55	525	9769.31+-	429.58	543	10539.55+-	440.64
560	9700.76+-	426.53	578	9473.19+-	411.50	596	8570.72+-	384.84	613	8176.89+-	371.29
631	7050.13+-	337.48	649	6763.50+-	328.80	666	6034.97+-	317.70	684	5817.58+-	304.95
701	5667.67+-	292.12	719	6219.49+-	300.49	736	5736.29+-	289.73	754	4955.12+-	269.59
771	4343.33+-	251.17	789	4879.69+-	255.19	806	0.00+-	0.00	823	0.00+-	0.00

60DEG RUNS 855 887

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	323	11120.13+-	831.40	335	11698.30+-	741.09	348	11993.74+-	641.75
361	12552.28+-	600.12	376	11497.96+-	765.08	391	11513.61+-	514.21	407	11037.38+-	481.10
423	11181.91+-	346.04	440	10679.21+-	432.75	45[illegible]	9970.08+-	548.12	474	9159.82+-	289.53
491	8059.39+-	360.96	509	8385.33+-	265.85	526	[illegible]87+-	319.67	544	7051.38+-	235.48
561	6806.88+-	227.82	579	5759.48+-	206.56	597	5256.04+-	194.67	614	4773.85+-	331.98
632	4378.89+-	173.31	649	4300.01+-	169.76	667	3421.82+-	[illegible]77	684	3266.20+-	144.77
702	3089.82+-	139.37	719	2705.27+-	129.12	737	2476.06+-	208.14	754	2183.03+-	113.80
772	2188.94+-	112.92	789	1794.66+-	188.89	806	0.00+-	0.00	824	0.00+-	0.00

90DEG RUNS 953 957

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	323	7422.35+-	231.91	335	7390.20+-	212.62	348	6494.91+-	182.04
361	6671.43+-	174.42	376	6637.92+-	166.26	391	6236.96+-	154.04	407	5380.23+-	138.32
423	4901.69+-	126.26	440	4501.39+-	117.76	457	4040.25+-	108.74	474	3581.84+-	101.04
491	3199.49+-	93.35	509	2697.17+-	83.49	526	2276.74+-	75.54	544	2181.22+-	72.65
561	1760.45+-	63.89	579	1627.74+-	60.85	597	1374.62+-	54.89	614	1219.36+-	51.26
632	976.37+-	45.22	649	955.64+-	44.53	667	771.79+-	39.49	684	606.65+-	34.52
702	549.30+-	32.30	719	432.83+-	28.41	737	434.96+-	28.08	754	316.37+-	24.01
772	286.42+-	22.37	789	243.29+-	20.90	806	0.00+-	0.00	824	0.00+-	0.00

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NE +CU TO P INCLUSIVE 0.80 GEV/A
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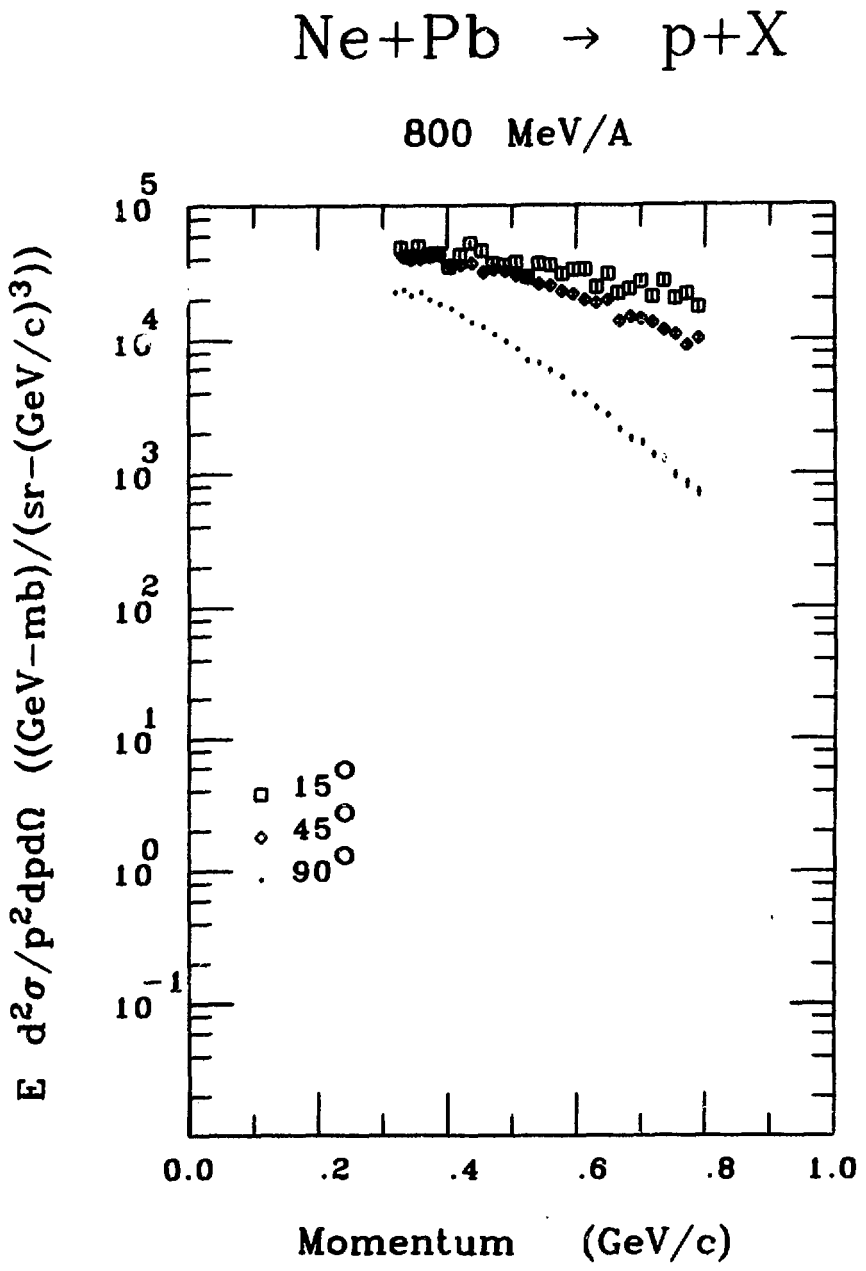
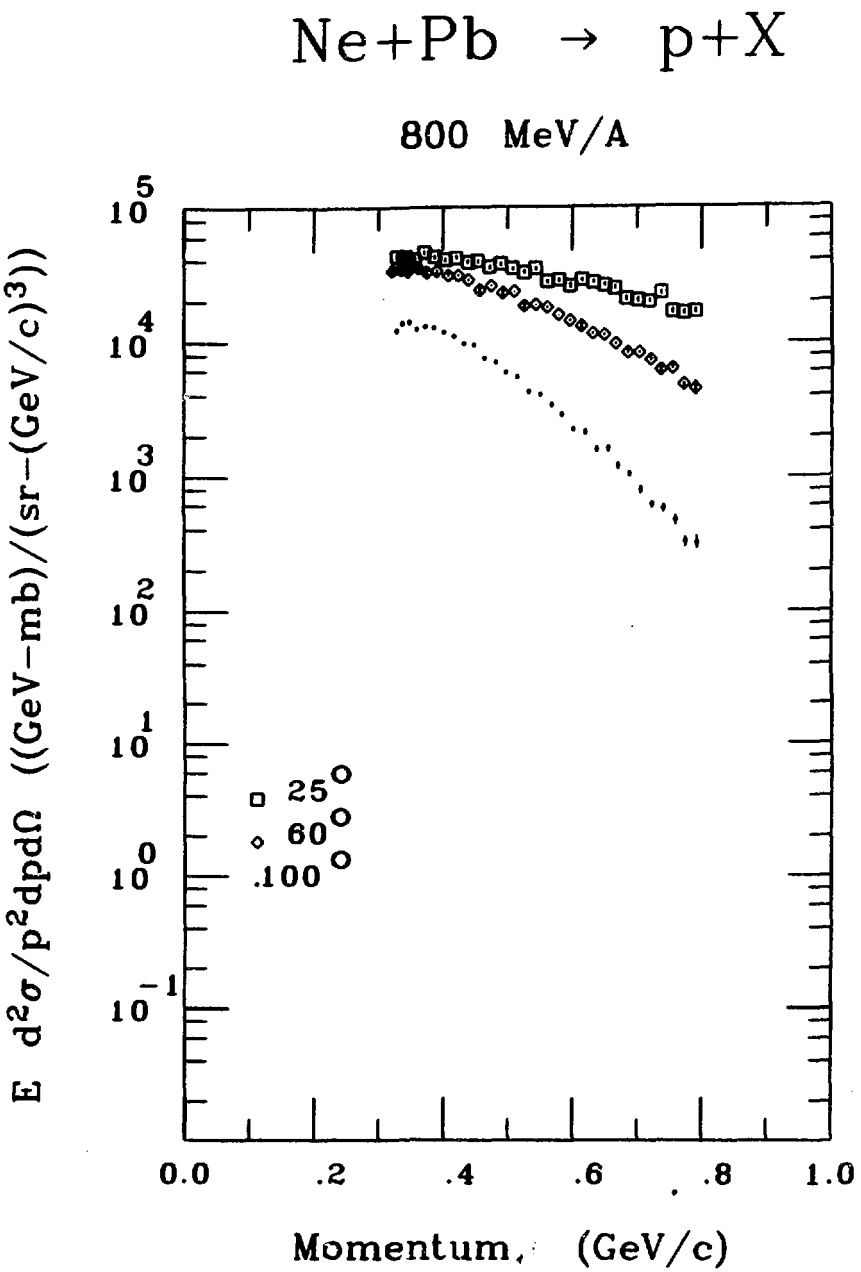
130DEG RUNS 943 944 945

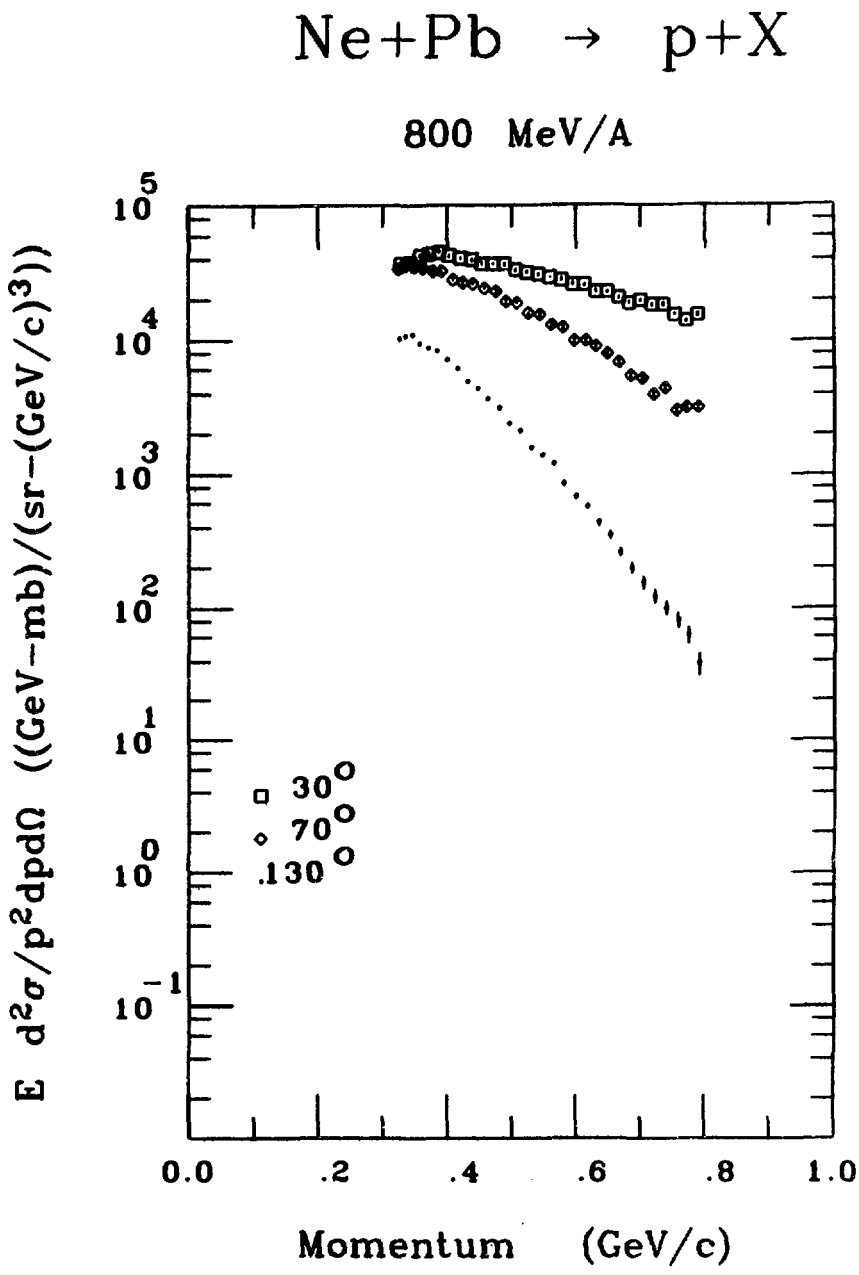
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	323	7422.35+-	231.91	335	7390.20+-	212.62	348	6494.91+-	182.04
361	6671.43+-	174.42	376	6637.92+-	166.26	391	6236.96+-	154.04	407	5380.23+-	138.32
423	4901.69+-	126.26	440	4501.39+-	117.76	457	4040.25+-	108.74	474	3581.84+-	101.04
491	3199.49+-	93.35	509	2697.17+-	83.49	526	2276.74+-	75.54	544	2181.22+-	72.65
561	1760.45+-	63.89	579	1627.74+-	60.85	597	1374.62+-	54.89	614	1219.36+-	51.26
632	976.37+-	45.22	649	955.64+-	44.53	667	771.79+-	39.49	684	606.65+-	34.52
702	549.30+-	32.30	719	432.83+-	28.41	737	434.96+-	28.08	754	316.37+-	24.01
772	286.42+-	22.37	789	243.29+-	20.90	806	0.00+-	0.00	824	0.00+-	0.00


Ne+Pb → p+X
800 MeV/A
E d²σ/p²dpdΩ ((GeV-mb)/(sr-(GeV/c)³))
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
15°
45°
90°
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)

XBL 791-7865


Ne+Pb → p+X
800 MeV/A
E d²σ/p²dpdΩ ((GeV−mb)/(sr−(GeV/c)³))
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
25°
60°
100°
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)

XBL 791-7866


Ne+Pb → p+X
800 MeV/A
E d²σ/p²dpdΩ ((GeV-mb)/(sr-(GeV/c)³))
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
30°
70°
130°
0.0
.2
.4
.6
.8
1.0
Momentum (GeV/c)

XBL 791-7867

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NE +PB TO P INCLUSIVE 0.80 GEV/A
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15DEG RUNS 958 963

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	329	49083.15+-	5623.22	342	41470.60+-	4690.76
356	50446.63+-	4956.22	371	42788.95+-	4624.61	387	44339.86+-	4349.04	403	35391.16+-	4074.50
420	43066.95+-	4188.80	437	51898.57+-	3893.11	454	46274.19+-	3880.22	471	36758.27+-	3438.87
489	36439.11+-	3538.87	506	37766.22+-	3371.81	524	29651.87+-	3007.03	542	36836.21+-	3142.59
559	35858.08+-	3107.95	577	30922.76+-	2883.12	595	33299.69+-	2754.07	612	33258.31+-	2870.10
630	24697.87+-	2633.73	648	31226.86+-	2670.66	665	22459.17+-	2526.45	683	24075.00+-	2292.91
701	27618.38+-	2541.45	718	21038.52+-	2322.28	736	27429.11+-	2336.69	753	20279.01+-	2236.46
771	21816.12+-	2174.29	788	17565.04+-	2035.53	805	0.00+-	0.00	823	0.00+-	0.00

25DEG RUNS 858 859 860 865

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	329	42683.58+-	2413.80	342	42912.04+-	2167.81
357	40820.46+-	1994.35	372	45928.46+-	2045.20	387	42528.56+-	1854.60	403	40532.97+-	1774.08
420	42265.53+-	1744.49	437	39445.63+-	1651.93	454	39745.04+-	1610.68	471	35793.63+-	1501.40
489	37678.12+-	1478.64	506	35199.42+-	1412.32	524	32923.97+-	1332.60	542	34901.40+-	1358.23
559	27985.19+-	1201.36	577	28613.95+-	1206.66	595	26074.35+-	1160.25	613	28857.15+-	1162.75
630	27818.06+-	1153.27	648	26419.25+-	1082.58	666	25085.96+-	1047.54	683	20826.60+-	973.83
701	20621.85+-	961.44	718	20158.79+-	934.50	736	22959.97+-	966.81	753	16727.33+-	835.46
771	16509.52+-	829.51	788	16939.90+-	816.63	805	0.00+-	0.00	823	0.00+-	0.00

30DEG RUNS 965 968

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	329	37181.39+-	1909.01	342	38221.95+-	1708.49
357	42540.93+-	1690.55	372	44014.86+-	1604.41	387	45368.01+-	1571.66	403	42553.36+-	1502.14
420	40956.97+-	1452.79	437	39732.40+-	1351.13	454	37237.62+-	1294.88	471	37037.21+-	1258.75
489	36824.65+-	1212.38	507	33293.86+-	1139.63	524	32280.86+-	1124.78	542	30991.18+-	1078.03
560	29725.44+-	1033.98	577	28438.07+-	991.64	595	26460.95+-	927.10	613	25988.91+-	948.22
630	23416.47+-	891.41	648	22922.02+-	854.18	666	20809.16+-	805.29	683	19097.69+-	738.97
701	19944.53+-	763.50	718	18432.69+-	728.69	736	18552.44+-	728.70	753	15689.18+-	683.82
771	13990.53+-	636.19	788	15575.24+-	648.47	805	0.00+-	0.00	823	0.00+-	0.00

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NE +PB TO P INCLUSIVE 0.80 GEV/A
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90DEG RUNS 954 957

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	320	22608.37+-	701.29	333	23629.46+-	658.61	346	21552.97+-	574.56
359	22321.43+-	553.05	374	20169.81+-	503.15	390	18456.47+-	460.23	406	17078.97+-	427.94
422	15221.50+-	386.62	439	13513.04+-	354.67	456	12334.89+-	330.27	473	10931.42+-	307.06
490	9840.51+-	284.71	508	8577.31+-	258.73	525	6998.53+-	230.28	543	6777.60+-	222.60
561	5983.71+-	204.56	578	5281.37+-	190.40	596	3988.67+-	162.55	614	3867.11+-	158.63
631	3123.58+-	140.53	649	2729.01+-	130.99	666	2152.28+-	114.81	684	1837.77+-	104.44
701	1696.73+-	98.61	719	1370.44+-	87.82	736	1270.70+-	83.35	754	969.83+-	73.08
771	827.13+-	66.01	789	713.15+-	62.31	806	0.00+-	0.00	823	0.00+-	0.00

100DEG RUNS 930 931 934

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
327	12062.38+-	437.91	336	13908.40+-	432.60	347	13978.20+-	393.44	359	12514.14+-	346.29
371	13171.31+-	331.34	385	12765.02+-	302.60	399	11952.89+-	282.35	415	11077.93+-	275.17
430	9652.66+-	235.83	446	9402.79+-	230.86	463	7626.36+-	207.95	480	7009.99+-	193.50
497	5882.93+-	168.00	514	5516.56+-	156.14	531	4250.65+-	142.44	548	4035.17+-	131.27
566	3405.59+-	117.34	583	2918.60+-	107.33	600	2275.39+-	93.94	618	2150.22+-	90.24
635	1602.33+-	75.12	653	1610.66+-	79.03	670	1202.01+-	68.69	687	1048.16+-	58.78
705	787.47+-	58.91	722	614.13+-	44.09	739	577.61+-	42.35	757	466.23+-	37.69
774	323.05+-	31.09	791	320.58+-	34.63	808	0.00+-	0.00	826	0.00+-	0.00

130DEG RUNS 940 945

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
327	10202.48+-	278.77	336	10650.66+-	265.64	347	10932.45+-	244.02	359	9524.69+-	206.89
371	8823.31+-	189.13	385	8436.23+-	174.95	399	7239.93+-	155.35	415	6151.91+-	137.09
430	5028.07+-	120.12	446	4344.48+-	108.16	463	3702.00+-	97.01	480	3152.61+-	87.19
497	2415.49+-	75.03	514	2132.50+-	69.20	531	1586.00+-	58.04	548	1400.57+-	54.28
566	1207.22+-	49.09	583	863.90+-	41.24	600	685.66+-	36.35	618	574.95+-	32.39
635	433.46+-	28.40	653	348.28+-	24.63	670	260.64+-	21.07	687	197.97+-	18.58
705	153.59+-	15.84	722	121.74+-	13.97	739	98.99+-	12.47	757	81.73+-	11.23
774	62.55+-	9.73	791	38.67+-	7.58	808	0.00+-	0.00	826	0.00+-	0.00

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NE +PB TO P INCLUSIVE 0.80 GEV/A
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45DEG RUNS 868 875 876

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	330	42112.09+-	2668.68	343	40268.01+-	2368.47
358	40194.08+-	2290.72	372	43618.62+-	2293.41	388	43377.28+-	2220.91	404	35959.48+-	1905.30
421	36086.37+-	1806.96	437	36751.66+-	1832.26	455	31842.81+-	1667.76	472	33670.66+-	1644.87
489	32592.44+-	1553.35	507	30637.23+-	1520.57	525	28590.68+-	1401.40	542	25962.79+-	1321.03
560	25603.74+-	1325.65	578	23031.46+-	1229.10	595	21973.19+-	1178.17	613	20123.10+-	1114.79
631	19013.08+-	1057.75	648	19716.12+-	1070.32	666	13797.81+-	928.07	683	14819.91+-	932.99
701	14339.94+-	888.60	718	13549.91+-	849.10	736	11758.57+-	799.21	753	10988.69+-	773.72
771	9134 95+-	704.77	788	10091.71+-	701.80	806	0.00+-	0.00	823	0.00+-	0.00

60DEG RUNS 850 851 888 887

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	320	33845.36+-	2248.62	333	34531.24+-	1954.94	346	33243.87+-	1637.81
359	35370.40+-	1504.46	374	32700.20+-	2172.50	390	33180.97+-	1278.19	406	31485.51+-	1189.29
422	31040.58+-	591.60	439	28953.74+-	1048.22	456	24446.37+-	1543.89	473	25928.72+-	500.06
490	23185.68+-	899.41	508	23463.73+-	456.40	525	18658.24+-	819.28	543	18798.70+-	394.50
561	17957.15+-	379.82	578	15790.89+-	351.51	596	14352.88+-	329.93	614	13111.64+-	927.90
631	11536.14+-	288.77	649	11355.92+-	282.94	666	9779.32+-	259.42	684	8471.68+-	239.25
701	8383.85+-	235.54	719	7481.35+-	220.33	736	6182.34+-	567.27	754	6445.17+-	200.72
771	4811.94+-	171.54	789	4512.13+-	529.40	806	0.00+-	0.00	823	0.00+-	0.00

70DEG RUNS 840

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	325	33544.47+-	1852.18	336	36435.67+-	1784.26	349	35478.49+-	1597.72
362	34344.38+-	1491.39	377	32603.58+-	1385.78	392	32664.51+-	1329.30	408	28577.39+-	1196.99
424	26961.93+-	1118.34	441	26384.71+-	1074.91	457	24509.45+-	1009.31	475	23097.70+-	956.88
492	19573.28+-	862.10	509	19222.21+-	837.71	527	15776.32+-	745.36	544	15442.80+-	725.28
562	13053.18+-	656.60	579	12547.15+-	634.54	597	9996.71+-	558.77	615	10077.35+-	553.90
632	9003.80+-	517.26	650	7955.83+-	480.63	667	6872.66+-	441.79	685	5502.61+-	391.12
702	5256.02+-	378.35	720	3951.32+-	324.80	737	4399.54+-	339.43	755	3058.42+-	280.36
772	3154.49+-	282.15	789	3222.80+-	282.66	807	0.00+-	0.00	824	0.00+-	0.00

INCLUSIVE INVARIANT CROSS-SECTIONS FOR PROTON PRODUCTION (PART 2) IN THE REACTIONS:

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C + C → P + X..... 86

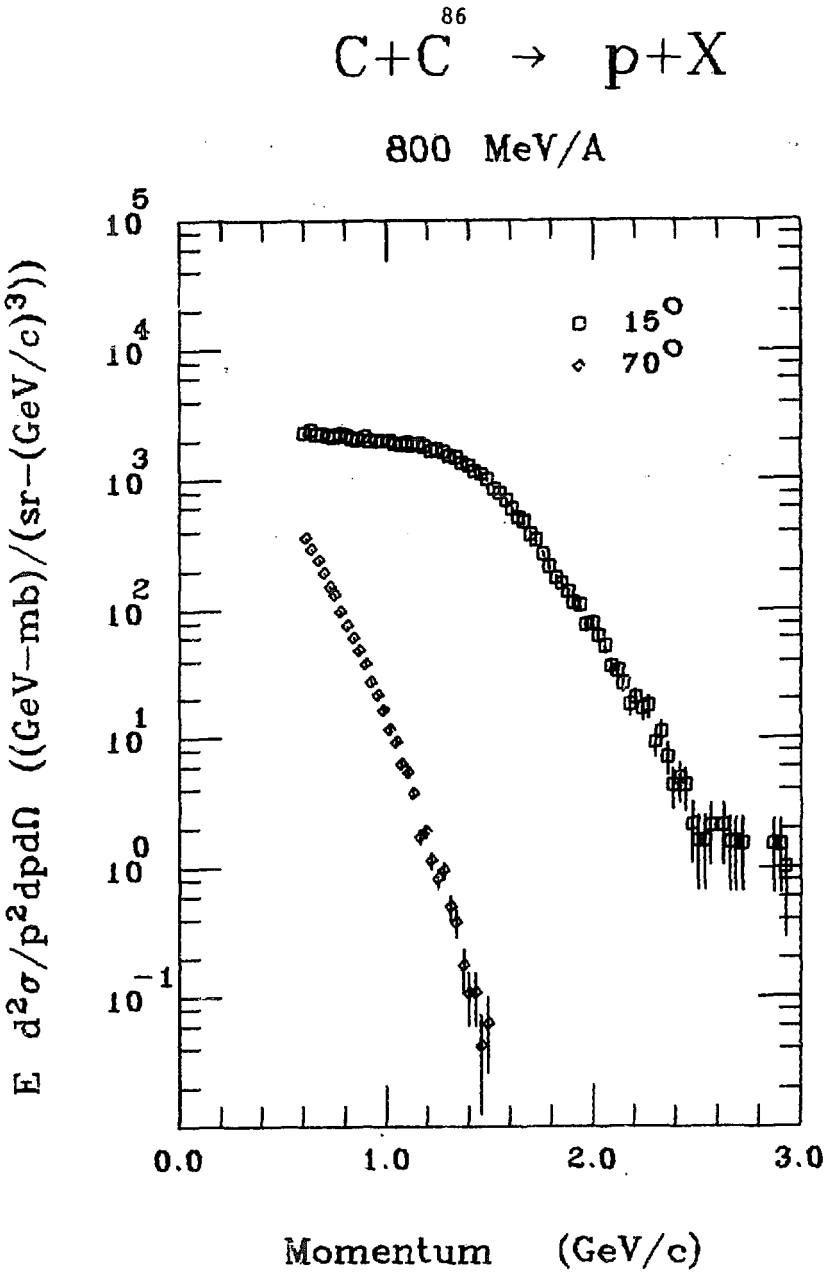
C + PB → P + X..... 90

NE + NAF → P + X..... 94

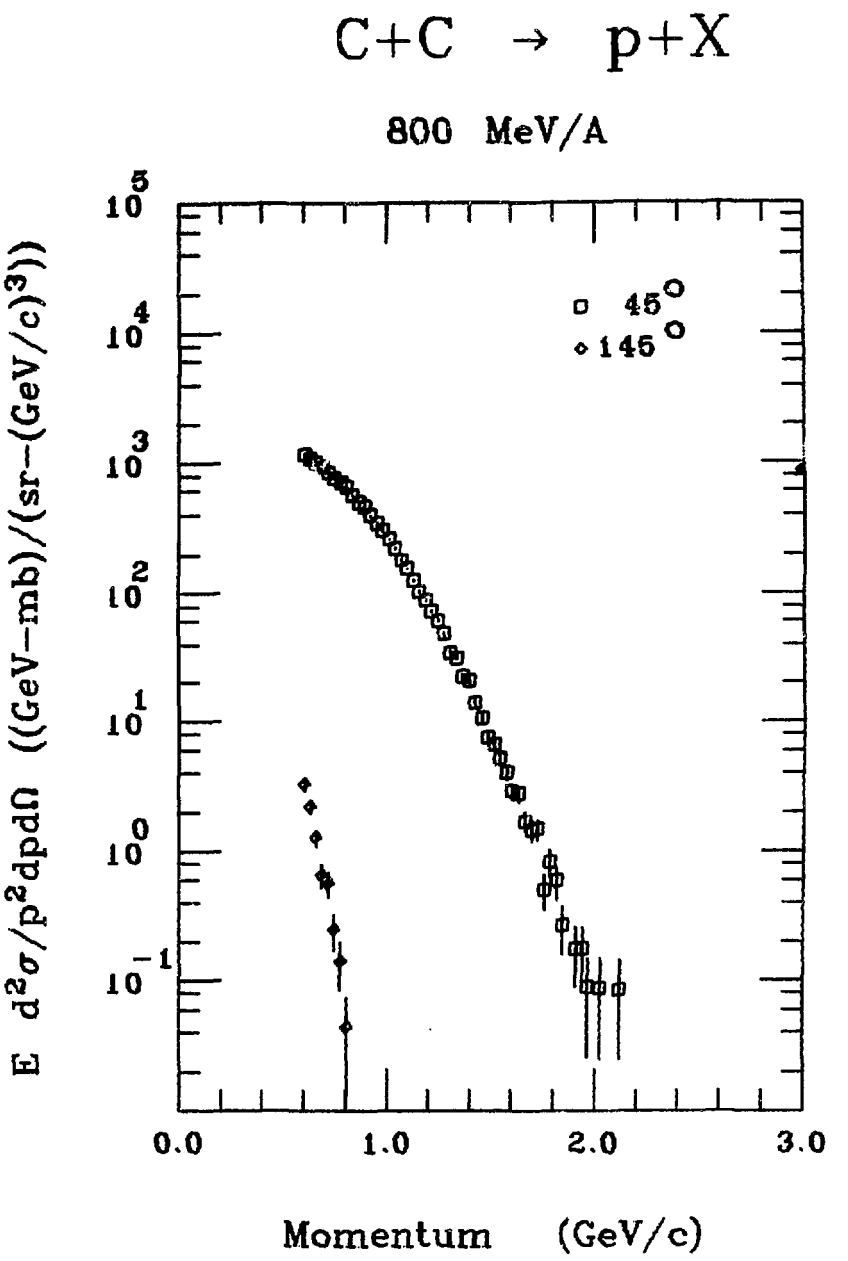
NE + CU → P + X..... 100

NE + PB → P + X..... 105

(.6 GEV/C ≤ P_P ≤ 3 GEV/C)



XBL 7812-13805



XBL 7812-13806

C + C TO P INCLUSIVE 0.80 GEV/A

15DEG RUNS 225 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
518	0.00+-	0.00	545	0.00+-	0.00	574	0.00+-	0.00	602	2280.01+-	71.75
631	2422.23+-	71.77	659	2225.05+-	66.25	688	2251.71+-	64.36	717	2198.13+-	60.99
746	2160.43+-	59.14	775	2243.55+-	58.06	804	2174.00+-	54.86	834	2068.75+-	52.25
863	2037.11+-	50.30	893	2135.80+-	50.49	922	2003.14+-	47.78	952	2011.70+-	46.63
981	2002.79+-	45.18	1011	1969.24+-	43.65	1041	1904.83+-	42.27	1070	1823.19+-	40.77
1100	1946.47+-	41.31	1130	1855.06+-	39.81	1160	1887.15+-	39.84	1190	1789.64+-	38.15
1220	1669.86+-	36.70	1249	1709.31+-	36.80	1279	1615.58+-	35.71	1309	1530.75+-	34.78
1339	1477.74+-	33.34	1369	1352.53+-	31.97	1399	1256.71+-	30.29	1429	1163.54+-	28.98
1459	1104.35+-	28.08	1489	994.65+-	26.64	1519	844.88+-	24.73	1549	783.06+-	23.31
1579	681.43+-	21.35	1609	587.72+-	19.81	1639	514.18+-	18.60	1669	469.42+-	17.56
1699	380.74+-	15.69	1729	342.43+-	14.99	1759	267.78+-	13.36	1789	214.99+-	12.10
1819	174.86+-	11.08	1849	160.17+-	10.03	1879	135.11+-	9.45	1909	113.01+-	8.40
1939	106.18+-	8.12	1969	75.67+-	6.71	1999	77.50+-	6.77	2029	62.28+-	6.05
2059	51.32+-	5.67	2089	35.36+-	4.53	2119	33.41+-	4.39	2149	26.90+-	3.92
2179	18.20+-	3.22	2209	20.91+-	3.44	2239	16.86+-	3.08	2269	17.84+-	3.45
2299	9.44+-	2.29	2329	11.04+-	2.47	2359	7.14+-	1.98	2389	4.37+-	1.54
2419	4.89+-	1.63	2449	4.32+-	1.53	2479	2.15+-	1.07	2509	1.60+-	.93
2539	1.60+-	.92	2569	2.12+-	1.06	2599	.53+-	.53	2629	2.10+-	1.05
2659	1.56+-	.90	2689	1.56+-	.90	2719	1.55+-	.90	2749	.51+-	.51
2779	.51+-	.51	2809	0.00+-	0.00	2839	.51+-	.51	2869	1.52+-	.88
2899	1.51+-	.87	2929	1.00+-	.71	2959	.50+-	.50	2989	0.00+-	0.00

45DEG RUNS 220 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
521	0.00+-	0.00	549	0.00+-	0.00	577	0.00+-	0.00	605	1146.73+-	13.84
633	1069.03+-	12.81	662	994.93+-	11.88	690	916.04+-	11.04	719	830.60+-	10.12
748	756.27+-	9.32	777	698.41+-	8.63	806	644.31+-	8.02	835	561.95+-	7.30
864	495.48+-	6.69	894	459.45+-	6.29	923	395.71+-	5.67	953	343.86+-	5.16
982	302.40+-	4.73	1012	257.73+-	4.29	1042	218.61+-	3.87	1071	179.81+-	3.43
1101	152.70+-	3.09	1131	124.05+-	2.78	1161	100.92+-	2.49	1190	88.40+-	2.30
1220	71.96+-	2.03	1250	60.89+-	1.85	1280	47.97+-	1.65	1310	34.43+-	1.41
1340	31.04+-	1.29	1370	22.36+-	1.11	1400	20.95+-	1.05	1430	13.98+-	.88
1460	10.68+-	.74	1490	7.59+-	.65	1520	6.59+-	.57	1550	5.15+-	.54
1579	4.01+-	.44	1609	2.90+-	.37	1639	2.78+-	.37	1669	1.71+-	.28
1699	1.46+-	.26	1729	1.49+-	.26	1759	.51+-	.15	1789	.83+-	.19
1819	.59+-	.16	1849	.27+-	.11	1879	0.00+-	0.00	1909	.18+-	.09
1939	.18+-	.09	1969	.09+-	.06	1999	.04+-	.04	2029	.09+-	.06
2059	0.00+-	0.00	2089	0.00+-	0.00	2119	.08+-	.06	2149	.04+-	.04
2179	.04+-	.04	2209	0.00+-	0.00	2239	0.00+-	0.00	2269	0.00+-	0.00

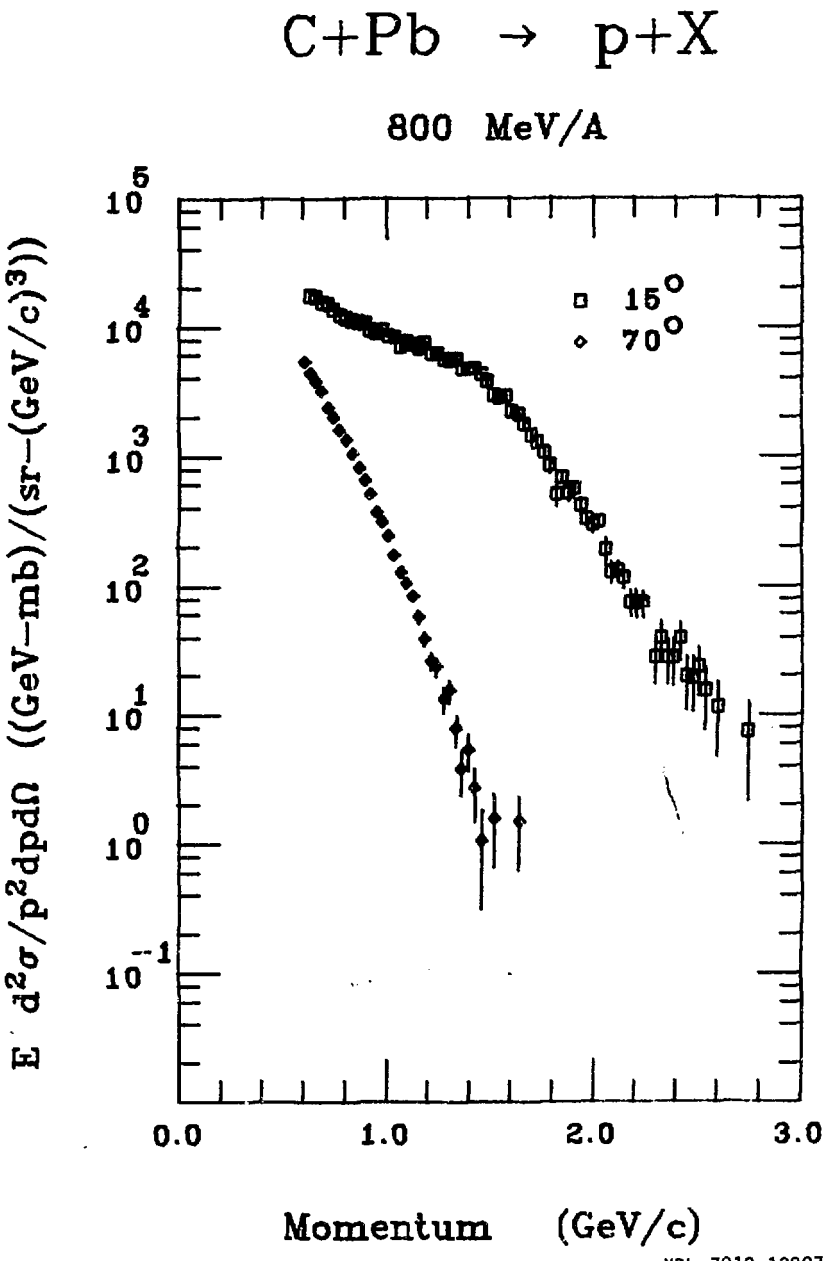
C + C TO P INCLUSIVE 0.80 GEV/A

70DEG RUNS 229 231

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
535	0.00+-	0.00	561	0.00+-	0.00	588	0.00+-	0.00	615	356.70+-	5.02
643	298.12+-	4.45	671	241.15+-	3.75	698	194.82+-	3.27	727	151.42+-	2.81
755	129.24+-	2.49	783	96.74+-	2.09	812	74.43+-	1.80	841	59.88+-	1.53
870	48.28+-	1.36	899	37.94+-	1.15	928	27.47+-	.96	957	21.55+-	.83
986	16.76+-	.73	1016	11.80+-	.59	1045	9.35+-	.51	1075	6.24+-	.41
1104	5.44+-	.42	1134	3.79+-	.31	1164	1.76+-	.21	1193	1.92+-	.22
1223	1.14+-	.17	1253	.82+-	.14	1283	.97+-	.15	1313	.50+-	.11
1343	.38+-	.09	1372	.18+-	.06	1402	.11+-	.05	1432	.11+-	.05
1462	.04+-	.03	1492	.06+-	.04	1522	.02+-	.02	1552	0.00+-	0.00
1582	.02+-	.02	1612	.02+-	.02	1642	0.00+-	0.00	1672	0.00+-	0.00

145DEG RUNS 252

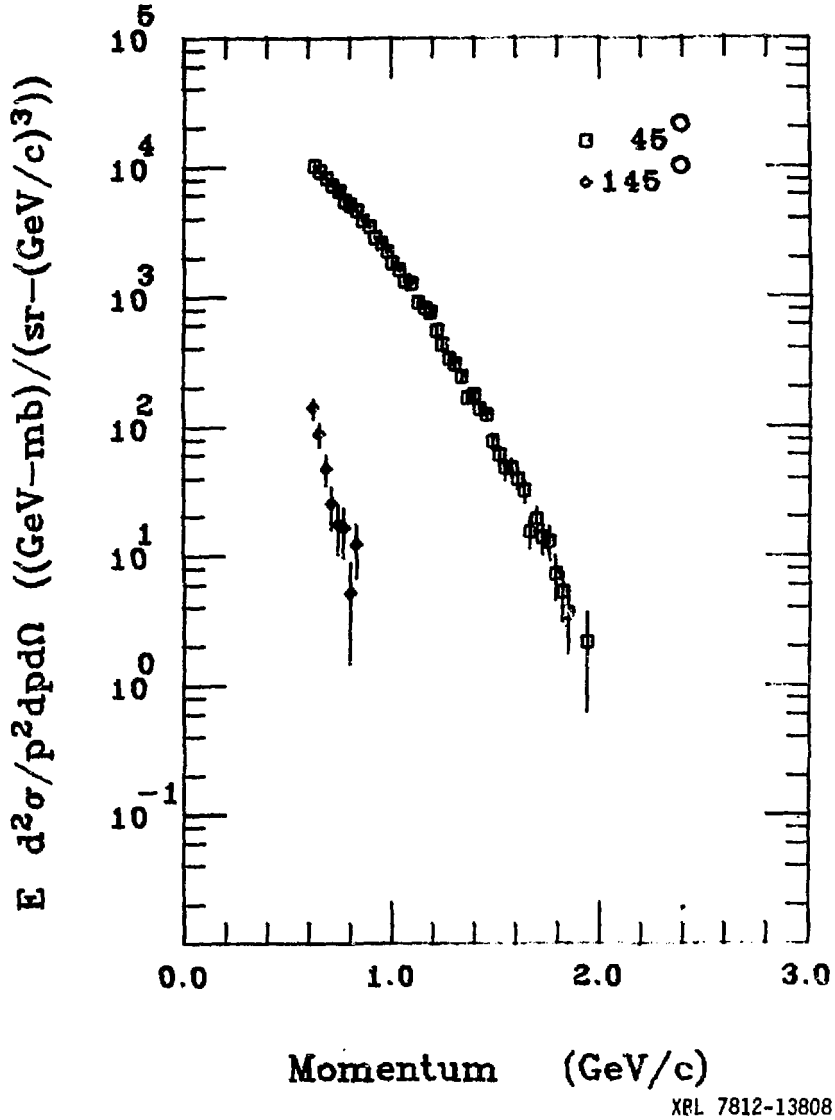
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
519	0.00+-	0.00	547	0.00+-	0.00	575	0.00+-	0.00	603	3.31+-	.35
632	2.23+-	.27	660	1.28+-	.20	689	.66+-	.14	718	.56+-	.12
747	.25+-	.08	776	.14+-	.06	805	.04+-	.03	834	.02+-	.02



XBL 7812-13807

$C+Pb \rightarrow p+X$

800 MeV/A



XBL 7812-13808

C +PB TO P INCLUSIVE 0.80 GEV/A

15DEG RUNS 226 227 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
[illegible]	17525.47+-	592.31	656	17141.52+-	569.64	685	15414.37+-	542.46	714	15371.95+-	498.01
743	13780.08+-	508.90	773	12567.21+-	465.40	802	11897.09+-	400.53	831	11280.87+-	400.23
861	10966.46+-	375.31	891	10680.67+-	389.65	920	9408.69+-	368.25	950	9105.84+-	347.28
980	9511.39+-	319.93	1009	8559.43+-	284.18	1039	8417.61+-	290.85	1069	6982.17+-	281.84
1099	7697.78+-	282.70	1129	7441.23+-	274.76	1159	6876.96+-	273.32	1188	7542.89+-	251.49
1218	6293.10+-	247.28	1248	6147.77+-	242.67	1278	5593.69+-	250.09	1308	5542.23+-	265.58
1338	5620.11+-	216.24	1368	4759.61+-	224.81	1398	4743.46+-	192.28	1428	4713.43+-	190.25
1458	4279.33+-	182.84	1488	3750.00+-	183.28	1518	2948.07+-	188.69	1548	2817.97+-	152.47
1578	2882.80+-	124.28	1608	2202.14+-	116.42	1638	2079.42+-	125.71	1668	1762.18+-	105.74
1698	1458.22+-	90.59	1728	1268.63+-	100.40	1758	1067.13+-	102.13	1788	847.35+-	103.31
1818	510.0[illegible] -	101.81	1848	686.41+-	66.18	1878	524.90+-	78.95	1908	562.66+-	61.27
1938	419.12+-	55.60	1968	323.79+-	37.39	1998	291.61+-	35.36	2028	306.59+-	36.13
2058	187.28+-	44.61	2088	125.99+-	23.00	2118	129.45+-	23.25	2148	116.17+-	21.95
2178	74.28+-	17.51	2208	73.66+-	17.36	2238	73.18+-	17.25	2268	0.00+-	0.00
2298	28.10+-	10.62	2328	39.99+-	12.65	2358	27.86+-	10.53	2388	27.66+-	10.46
2418	39.30+-	12.43	2448	19.51+-	8.72	2478	19.44+-	8.69	2508	23.31+-	9.51
2538	15.37+-	7.69	2568	0.00+-	0.00	2598	11.46+-	6.62	2628	0.00+-	0.00
2658	3.80+-	3.80	2688	3.78+-	3.78	2718	3.73+-	3.73	2748	7.45+-	5.27

45DEG RUNS 221 222 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
628	10274.75+-	191.81	657	9291.10+-	175.98	686	8229.37+-	162.21	715	7195.87+-	145.27
744	6587.82+-	133.97	773	5547.04+-	117.80	803	5049.78+-	107.93	832	4619.02+-	101.70
862	3918.43+-	91.98	891	3499.21+-	85.24	921	2859.34+-	74.42	950	2605.41+-	69.45
980	2239.77+-	62.55	1010	1828.96+-	56.32	1040	1627.91+-	51.75	1069	1345.80+-	45.46
1099	1280.83+-	43.35	1129	890.50+-	36.74	1159	822.42+-	34.94	1189	758.03+-	32.87
1219	547.54+-	26.88	1249	425.92+-	23.45	1278	335.88+-	21.46	1308	302.63+-	20.91
1338	240.09+-	17.31	1368	166.41+-	15.05	1398	173.47+-	14.55	1428	137.29+-	13.74
1458	124.69+-	12.09	1488	76.97+-	10.61	1518	60.46+-	8.36	1548	47.63+-	8.82
1578	48.08+-	7.38	1608	39.55+-	6.72	1638	32.11+-	6.00	1668	15.46+-	4.16
1698	19.38+-	4.60	1728	14.07+-	3.80	1758	13.07+-	3.79	1788	7.33+-	2.79
1818	5.33+-	2.19	1848	3.62+-	1.82	1878	1.07+-	1.48	1908	1.09+-	1.09
1938	2.17+-	1.53	1968	0.00+-	0.00	1998	1.07+-	1.07	2028	0.00+-	0.00
2058	.80+-	.80	2088	0.00+-	0.00	2118	0.00+-	0.00	2148	0.00+-	0.00

C +PB TO P INCLUSIVE 0.80 GEV/A

70DEG RUNS 230 231

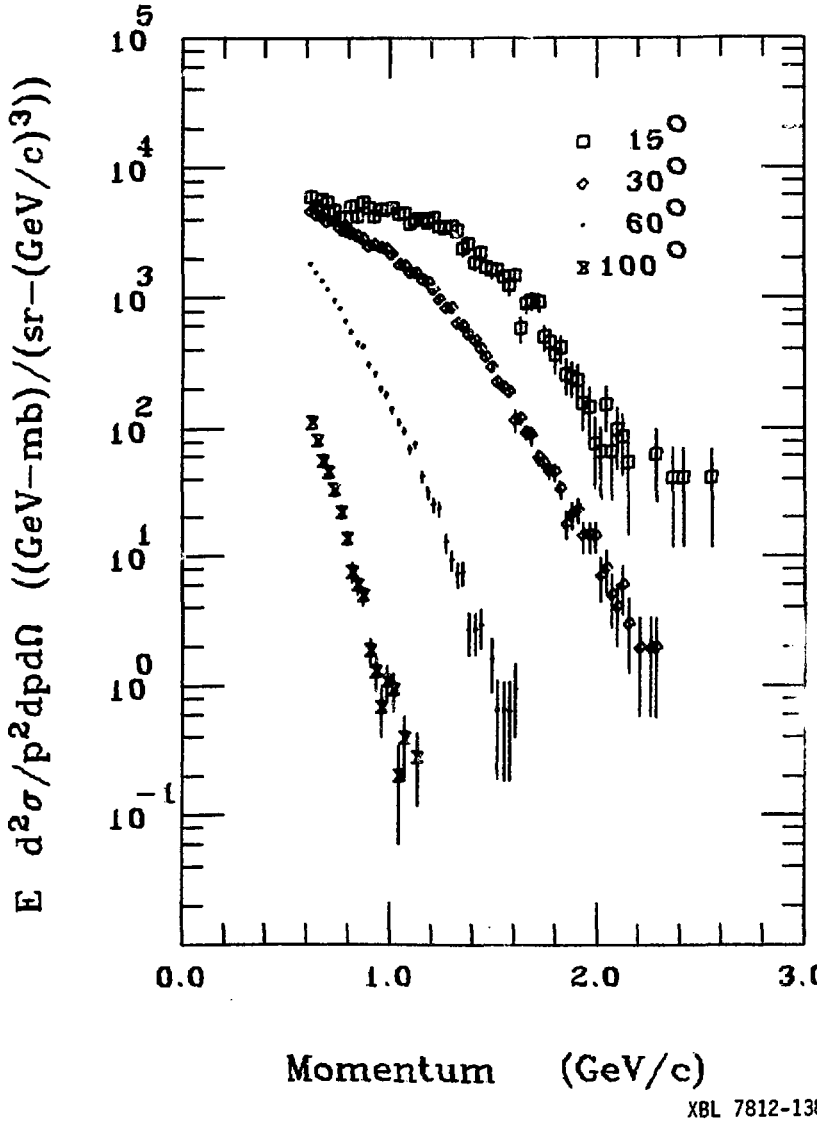
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
519	0.00+-	0.00	547	0.00+-	0.00	575	0.00+-	0.00	603	5412.60+-	98.07
632	4442.19+-	86.66	660	3817.37+-	75.43	689	3177.46+-	66.02	718	2343.23+-	55.49
747	2001.83+-	49.02	776	1605.16+-	42.58	805	1329.39+-	37.98	834	1051.76+-	31.94
864	818.73+-	28.12	893	651.83+-	23.82	923	502.40+-	20.39	952	369.39+-	17.08
982	306.11+-	15.63	1011	244.49+-	13.30	1041	169.59+-	10.86	1071	125.85+-	9.18
1101	104.87+-	9.35	1130	83.07+-	7.23	1160	56.76+-	5.92	1190	38.75+-	4.84
1220	26.17+-	3.94	1250	23.39+-	3.70	1280	13.23+-	2.76	1310	15.30+-	2.94
1339	7.82+-	2.09	1369	3.86+-	1.46	1399	5.44+-	1.72	1429	2.68+-	1.20
1459	1.06+-	.75	1489	.52+-	.52	1519	1.55+-	.90	1549	0.00+-	0.00
1579	.51+-	.51	1609	.50+-	.50	1639	1.49+-	.86	1669	0.00+-	0.00

145DEG RUNS 253

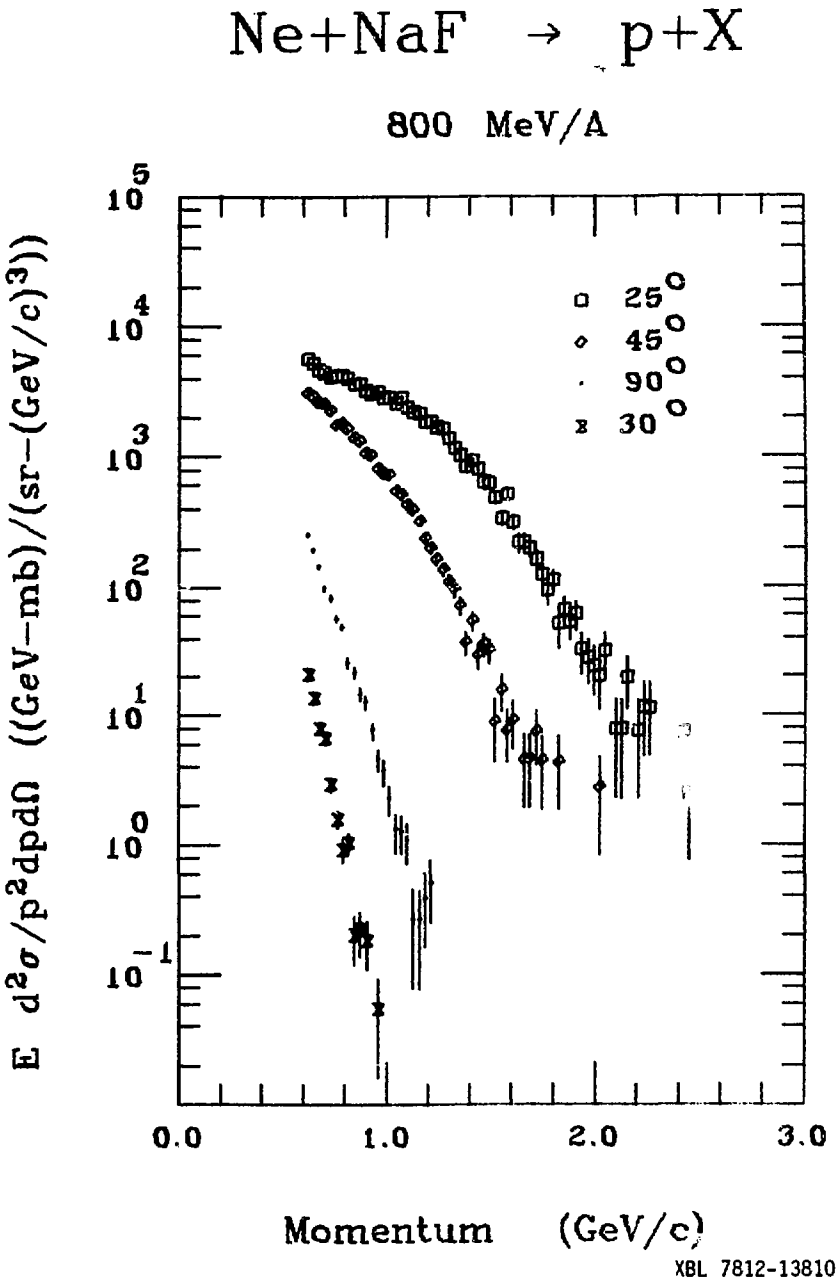
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
627	138.36+-	23.39	656	87.50+-	17.86	685	47.28+-	12.64	714	25.13+-	8.89
744	17.60+-	7.18	773	16.49+-	6.73	802	5.17+-	3.65	832	12.18+-	5.45
861	2.30+-	2.30	891	0.00+-	0.00	920	0.00+-	0.00	950	0.00+-	0.00

Ne+NaF → p+X

800 MeV/A



XBL 7812-13809



XBL 7812-13810

NE +NAF TO P INCLUSIVE 0.80 GEV/A

15DEG RUNS 961 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	5980.03+-	685.00	645	4960.63+-	599.84	674	5656.34+-	621.60	702	5301.02+-	578.70
730	4663.29+-	524.44	759	4050.48+-	485.17	787	3387.36+-	441.84	816	4933.69+-	488.68
844	4228.25+-	446.61	873	5358.05+-	486.81	901	4836.55+-	459.87	930	4176.53+-	405.55
958	4744.02+-	420.98	987	4709.50+-	422.00	1015	4842.69+-	411.75	1043	4356.11+-	386.38
1072	4395.58+-	391.73	1100	3710.75+-	347.43	1129	3943.19+-	349.19	1157	3990.53+-	361.42
1185	3742.93+-	335.60	1214	4042.65+-	341.72	1242	3510.34+-	321.41	1270	3408.90+-	316.43
1298	3483.17+-	316.46	1326	3231.40+-	300.39	1354	2357.20+-	262.80	1383	2534.21+-	266.04
1411	1852.57+-	231.81	1439	2207.27+-	243.29	1467	1729.54+-	221.47	1495	1615.20+-	207.53
1522	1649.55+-	210.63	1550	1430.97+-	193.41	1578	1228.40+-	177.21	1606	1490.79+-	192.18
1634	575.67+-	124.76	1661	909.27+-	148.33	1689	937.72+-	151.33	1717	919.84+-	148.10
1744	491.19+-	107.74	1772	454.13+-	105.23	1799	361.28+-	98.31	1827	403.70+-	95.15
1854	256.52+-	78.04	1882	243.94+-	73.55	1909	231.67+-	73.97	1936	153.59+-	58.05
1964	141.97+-	58.76	1991	76.10+-	44.76	2018	64.85+-	37.44	2045	150.61+-	56.92
2072	64.25+-	37.10	2099	96.02+-	48.84	2127	84.92+-	42.46	2154	52.92+-	38.09
2288	62.18+-	35.90	2315	0.00+-	0.00	2341	20.58+-	20.58	2368	41.01+-	29.00

25DEG RUNS 881 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	5570.01+-	283.91	645	5183.86+-	268.35	674	4645.40+-	252.31	702	4364.22+-	222.65
731	4087.35+-	214.73	759	4202.35+-	213.62	787	4136.95+-	194.65	816	4026.02+-	186.57
844	3648.80+-	179.40	873	3613.74+-	177.99	901	3222.64+-	162.09	930	3040.53+-	160.68
958	3133.09+-	152.36	987	2829.38+-	141.15	1015	2784.10+-	134.79	1043	2571.18+-	130.97
1072	2840.65+-	138.48	1100	2386.71+-	119.98	1129	2211.71+-	115.57	1157	2136.60+-	114.89
1185	1854.24+-	104.96	1214	1838.73+-	102.55	1242	1661.63+-	97.25	1270	1631.57+-	94.58
1298	1376.02+-	87.01	1326	1166.49+-	77.72	1354	1026.37+-	74.16	1383	826.76+-	63.99
1411	918.04+-	68.33	1439	786.61+-	61.81	1467	627.89+-	58.57	1495	624.80+-	53.19
1522	489.13+-	46.85	1550	335.78+-	40.88	1578	513.98+-	49.42	1606	310.88+-	36.90
1634	217.00+-	35.79	1661	220.03+-	30.81	1689	199.07+-	31.89	1717	161.70+-	26.23
1744	122.60+-	22.77	1772	94.38+-	23.55	1799	112.74+-	21.70	1827	51.75+-	19.21
1854	66.04+-	16.51	1882	53.36+-	14.80	1909	61.23+-	15.81	1936	32.49+-	11.49
1964	28.28+-	10.69	1991	24.12+-	9.85	2018	20.00+-	8.95	2045	31.86+-	11.26
2072	9.78+-	13.39	2099	7.89+-	5.58	2127	7.86+-	5.56	2154	19.56+-	8.75
2181	0.00+-	0.00	2207	7.76+-	5.49	2234	11.60+-	6.69	2261	11.55+-	6.67
2288	0.00+-	0.00	2315	0.00+-	0.00	2341	3.81+-	3.81	2368	3.80+-	3.80
2395	3.78+-	3.78	2421	7.54+-	5.33	2448	0.00+-	0.00	2474	0.00+-	0.00
2606	3.69+-	3.69	2633	0.00+-	0.00	2659	0.00+-	0.00	2685	0.00+-	0.00

NE +NAF TO P INCLUSIVE 0.80 GEV/A

30DEG RUNS 880 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	4592.42+-	129.77	646	4335.57+-	136.58	674	4137.59+-	131.39	702	3829.65+-	109.29
731	3867.86+-	114.64	759	3435.09+-	99.82	787	353[illegible] 82+-	102.62	816	3138.94+-	94.77
844	2934.62+-	84.65	873	2784.28+-	91.18	901	251[illegible].51+-	70.30	930	2529.53+-	68.82
958	2428.84+-	72.11	987	2366.08+-	65.80	1015	2166.43+-	59.99	1043	1791.40+-	59.78
1072	1734.78+-	54.09	1100	1546.93+-	52.49	1129	1567.01+-	50.19	1157	1373.26+-	50.71
1185	1294.13+-	45.42	1214	1142.70+-	42.76	1242	974.61+-	39.77	1270	831.40+-	39.17
1298	824.97+-	36.66	1326	630.84+-	32.92	1355	608.76+-	36.59	1383	522.99+-	27.87
1411	468.49+-	26.49	1439	401.69+-	27.46	1467	348.70+-	20.20	1495	293.30+-	18.44
1522	222.91+-	16.00	1550	201.65+-	15.16	1578	188.71+-	14.60	1606	113.75+-	22.47
1634	119.06+-	11.51	1661	91.69+-	10.06	1689	87.19+-	14.70	1717	58.84+-	8.01
1744	53.04+-	7.58	1772	46.26+-	7.05	1799	44.91+-	6.93	1827	32.95+-	5.92
1854	17.97+-	4.36	1882	21.02+-	4.70	1909	23.00+-	4.90	1936	14.56+-	3.89
1964	14.48+-	3.87	1991	14.41+-	3.85	2018	7.17+-	2.71	2045	8.16+-	2.88
2072	5.07+-	2.27	2100	4.04+-	2.02	2127	6.04+-	2.46	2154	3.01+-	1.74
2181	0.00+-	0.00	2207	1.99+-	1.41	2234	0.00+-	0.00	2261	1.97+-	1.39
2288	1.96+-	1.39	2315	0.00+-	0.00	2341	.98+-	.98	2368	0.00+-	0.00
2606	0.00+-	0.00	2633	0.00+-	0.00	2659	0.00+-	0.00	2685	.94+-	.94

45DEG RUNS 872 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	3074.52+-	122.23	646	2873.16+-	113.33	674	2599.89+-	105.29	703	2519.69+-	98.07
731	2269.62+-	91.47	759	1776.14+-	78.58	788	1814.32+-	75.99	816	1620.61+-	69.87
845	1406.12+-	63.25	873	1292.92+-	60.02	901	1068.96+-	52.78	930	1006.95+-	50.09
958	823.97+-	44.47	987	742.23+-	40.88	1015	722.25+-	39.73	1044	544.66+-	34.01
1072	506.69+-	32.27	1100	426.60+-	28.84	1129	383.22+-	27.61	1157	321.20+-	25.18
1185	234.72+-	21.36	1214	199.95+-	19.17	1242	163.54+-	17.25	1270	135.71+-	15.37
1298	109.90+-	13.74	1326	96.17+-	13.10	1355	71.58+-	11.33	1383	36.46+-	7.77
1411	54.11+-	9.42	1439	29.22+-	6.89	1467	35.36+-	7.54	1495	31.85+-	7.12
1523	9.01+-	4.65	1550	15.65+-	4.95	1578	7.76+-	3.47	1606	9.24+-	3.77
1634	1.53+-	1.53	1662	4.55+-	2.63	1689	4.52+-	2.61	1717	7.48+-	3.35
1744	4.46+-	2.58	1772	1.48+-	1.48	1800	0.00+-	0.00	1827	4.38+-	2.53

NE +NAF TO P INCLUSIVE 0.80 GEV/A

60DEG RUNS 852 891 856 886

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	1797.07+-	43.75	647	1557.78+-	39.38	675	1349.89+-	34.95	703	1161.52+-	30.68
731	936.86+-	27.19	760	810.52+-	25.32	788	646.66+-	22.25	817	538.92+-	18.74
845	439.52+-	17.90	873	417.38+-	15.43	902	301.64+-	12.91	930	258.68+-	11.27
959	198.44+-	10.07	987	180.62+-	9.03	1016	140.17+-	8.72	1044	110.36+-	6.81
1072	95.23+-	6.21	1101	68.28+-	5.18	1129	74.41+-	5.34	1157	41.55+-	3.96
1186	31.24+-	3.41	1214	25.60+-	3.06	1242	23.75+-	2.92	1270	12.81+-	2.14
1299	9.42+-	1.81	1327	7.29+-	1.59	1355	7.54+-	1.61	1383	2.71+-	.96
1411	2.68+-	.95	1439	2.96+-	.99	1467	0.00+-	0.00	1495	1.60+-	.72
1523	.65+-	.46	1551	.64+-	.45	1578	.64+-	.45	1606	.95+-	.55
1964	.29+-	.29	1991	0.00+-	0.00	2018	0.00+-	0.00	2046	0.00+-	0.00

90DEG RUNS 951 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	249.91+-	9.29	647	192.43+-	7.76	675	142.24+-	6.44	703	97.07+-	5.12
731	82.12+-	4.60	760	56.58+-	3.77	788	48.71+-	3.36	817	25.28+-	2.41
845	21.22+-	2.10	873	14.74+-	1.79	902	12.64+-	1.50	930	7.66+-	1.14
959	4.56+-	.86	987	3.74+-	.86	1016	2.26+-	.58	1044	1.31+-	.44
1072	1.26+-	.42	1101	1.09+-	.38	1129	.27+-	.19	1157	.26+-	.18
1186	.39+-	.22	1214	.51+-	.25	1242	0.00+-	0.00	1270	0.00+-	0.00

100DEG RUNS 928 933

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
624	110.45+-	5.55	652	78.29+-	4.61	679	55.25+-	3.59	707	45.06+-	3.17
735	32.27+-	2.36	763	21.55+-	1.87	792	13.74+-	1.45	820	7.55+-	1.46
848	6.01+-	.91	876	4.93+-	.80	904	1.86+-	.48	933	1.30+-	.39
961	.68+-	.28	989	1.09+-	.34	1018	.94+-	.31	1046	.20+-	.14
1074	.39+-	.19	1102	.09+-	.09	1131	.28+-	.16	1159	0.00+-	0.00
1187	.09+-	.09	1215	0.00+-	0.00	1244	0.00+-	0.00	1272	0.00+-	0.00

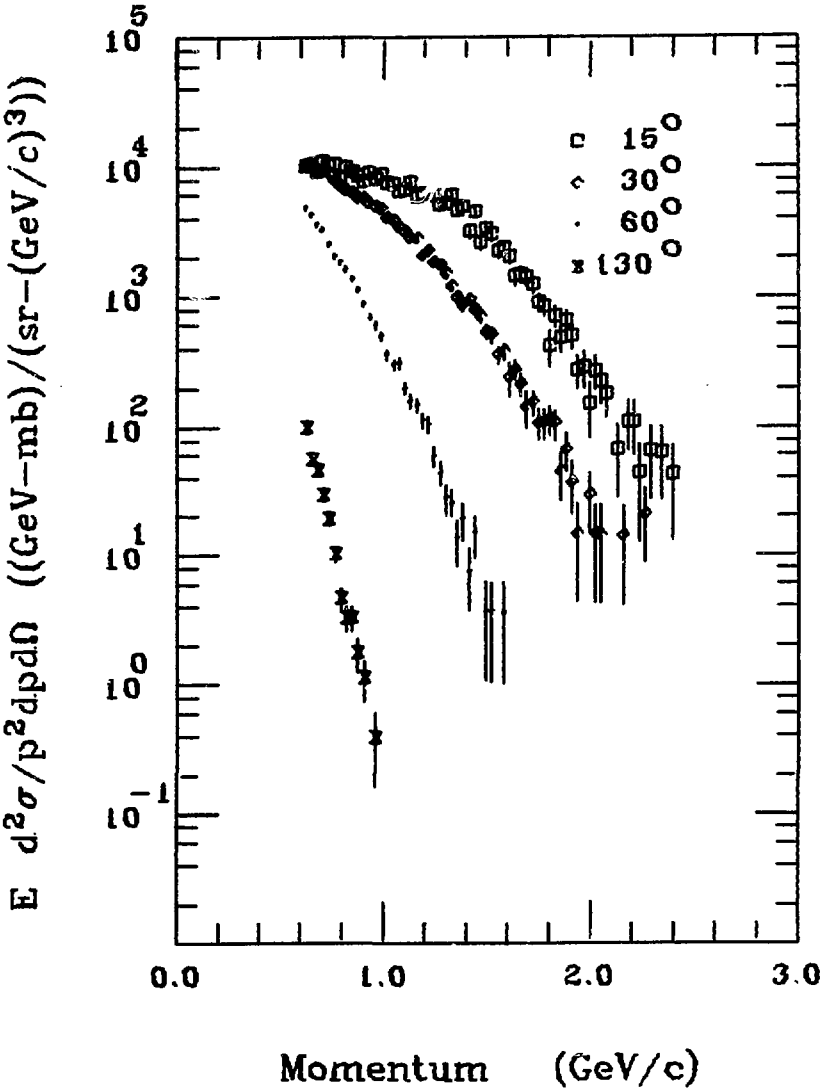
NE +NAF TO P INCLUSIVE 0.80 GEV/A

130DEG RUNS 938 947 948

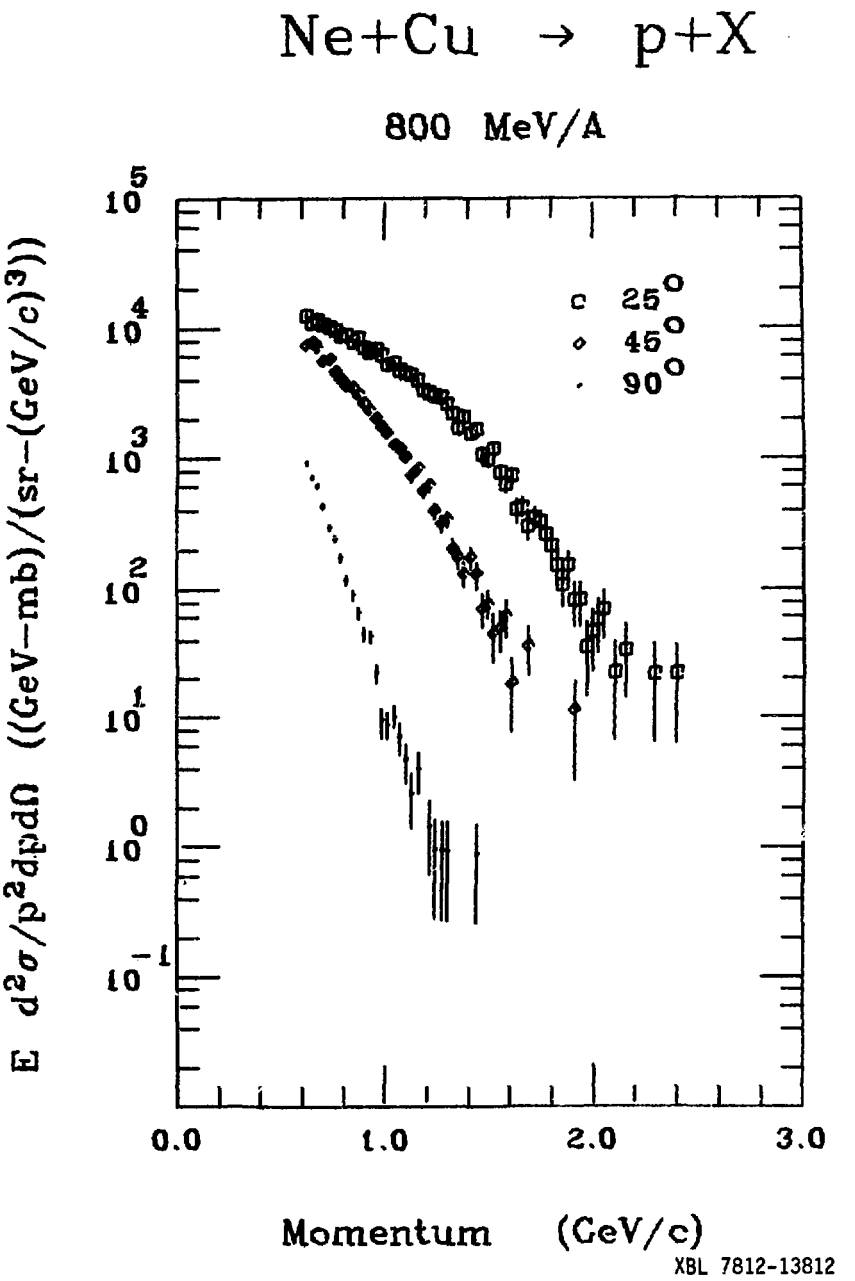
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
624	20.94+-	1.13	652	13.54+-	.83	679	7.84+-	.68	707	6.69+-	.54
735	2.96+-	.35	763	1.59+-	.25	792	.91+-	.18	820	1.04+-	.19
848	.20+-	.08	876	.22+-	.08	904	.18+-	.07	933	0.00+-	0.00
961	.05+-	.04	989	.03+-	.03	1018	0.00+-	0.00	1046	.02+-	.02

Ne+Cu → p+X

800 MeV/A



XBL 7812-13811



XBL 7812-13812

NE +CU TO P INCLUSIVE 0.80 GEV/A

15DEG RUNS 960 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	10166.72+-	961.69
730	10385.91+-	826.06
844	9207.36+-	699.32
958	8227.57+-	584.82
1072	6608.29+-	540.50
1185	6283.11+-	465.60
1298	5262.64+-	423.64
1411	3151.71+-	335.67
1522	2995.15+-	306.70
1634	1425.93+-	208.61
1744	893.54+-	151.12
1854	479.04+-	112.55
1964	287.78+-	89.64
2072	177.74+-	62.84
2180	109.19+-	48.83
2288	64.50+-	37.24
2395	42.40+-	29.98
2606	20.69+-	20.69
2711	20.48+-	20.48

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
645	10589.77+-	926.41
759	10462.34+-	824.42
873	8600.44+-	667.79
987	8703.74+-	619.80
1100	6684.75+-	502.26
1214	6191.65+-	447.98
1326	6039.97+-	434.95
1439	4535.87+-	367.62
1550	2243.42+-	262.37
1661	1460.97+-	196.96
1772	833.96+-	151.40
1882	644.14+-	121.73
1991	151.16+-	70.07
2099	0.00+-	0.00
2207	108.75+-	48.64
2315	0.00+-	0.00
2421	0.00+-	0.00
2633	0.00+-	0.00
2737	0.00+-	0.00

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
674	9307.27+-	868.75
787	8314.77+-	745.59
901	7805.40+-	646.48
1015	7496.23+-	549.64
1129	7615.43+-	512.53
1242	6032.79+-	452.40
1354	4568.03+-	397.38
1467	2584.77+-	305.62
1578	2363.28+-	259.84
1689	1419.75+-	198.03
1799	417.35+-	127.50
1909	496.70+-	113.65
2018	269.10+-	77.68
2127	66.07+-	38.14
2234	43.33+-	30.64
2341	64.04+-	36.97
2448	21.06+-	21.06
2659	20.58+-	20.58
2764	0.00+-	0.00

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
702	10963.37+-	884.23
816	9849.01+-	728.90
930	9049.05+-	624.79
1043	7473.90+-	543.51
1157	5992.73+-	500.89
1270	5074.40+-	423.52
1383	4970.45+-	397.64
1495	3315.87+-	315.28
1606	2032.91+-	238.80
1717	1226.34+-	180.61
1827	697.98+-	127.43
1936	273.14+-	78.85
2045	223.20+-	70.58
2154	37.46+-	47.38
2261	0.00+-	0.00
2368	21.27+-	21.27
2474	0.00+-	0.00
2685	0.00+-	0.00
2790	0.00+-	0.00

25DEG RUNS 883 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	12430.11+-	717.76
731	10229.70+-	571.43
844	7742.33+-	443.56
958	6939.58+-	384.05
1072	4723.85+-	310.96
1185	3335.10+-	242.12
1298	2640.05+-	205.93
1411	1553.75+-	152.46
1522	1180.45+-	123.07
1634	404.67+-	85.03
1744	326.38+-	62.81
1854	106.21+-	35.40
1964	34.66+-	20.01
2072	31.55+-	35.68
2288	21.94+-	15.51
2395	21.63+-	15.29

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
645	11014.55+-	664.11
759	9620.16+-	546.35
873	8397.03+-	458.14
987	6271.71+-	355.87
1100	4534.38+-	282.20
1214	3199.85+-	232.61
1326	2213.62+-	182.28
1439	1659.60+-	152.11
1550	773.29+-	104.84
1661	419.42+-	71.93
1772	261.67+-	64.59
1882	152.56+-	42.31
1991	45.98+-	22.99
2099	22.57+-	15.96
2315	0.00+-	0.00
2421	0.00+-	0.00

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
674	11642.76+-	670.31
787	8843.01+-	481.81
901	6988.33+-	404.86
1015	5178.21+-	313.34
1129	4396.83+-	277.82
1242	3053.10+-	226.07
1354	1694.21+-	164.48
1467	1076.03+-	133.08
1578	640.81+-	96.03
1689	303.59+-	69.20
1799	214.90+-	50.65
1909	81.71+-	30.88
2018	57.20+-	25.58
2127	11.23+-	11.23
2341	0.00+-	0.00
2448	0.00+-	0.00

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
702	10831.20+-	591.62
816	8785.48+-	466.39
930	6578.08+-	401.67
1043	5318.21+-	320.50
1157	3969.35+-	269.23
1270	2985.98+-	218.94
1383	2071.84+-	170.90
1495	957.97+-	111.36
1606	738.67+-	96.17
1717	352.85+-	65.52
1827	151.72+-	52.96
1936	81.28+-	30.72
2045	68.32+-	27.89
2154	33.56+-	19.38
2368	10.85+-	10.85
2474	0.00+-	0.00

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NE +CU TO P INCLUSIVE 0.80 GEV/A
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30DEG RUNS 879 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	10483.04+-	513.07	646	10663.13+-	528.87	674	9741.34+-	494.88	702	9184.56+-	435.95
731	9049.68+-	436.91	759	7990.56+-	387.46	787	7220.04+-	369.85	816	6731.98+-	347.52
844	6368.90+-	318.62	873	5794.58+-	321.79	901	5810.61+-	279.74	930	5254.28+-	260.29
958	4916.66+-	260.38	987	4768.95+-	242.38	1015	4091.12+-	216.66	1043	3863.82+-	219.95
1072	3450.52+-	197.04	1100	3168.30+-	190.62	1129	2791.30+-	173.74	1157	2808.20+-	181.06
1185	2089.33+-	150.01	1214	2251.23+-	153.65	1242	1836.41+-	139.47	1270	1760.96+-	140.72
1298	1495.31+-	125.87	1326	1205.63+-	114.37	1355	990.92+-	116.26	1383	858.41+-	92.46
1411	942.34+-	95.68	1439	793.80+-	94.69	1467	696.54+-	76.00	1495	534.00+-	66.23
1522	504.85+-	64.12	1550	355.24+-	53.55	1578	376.37+-	54.90	1606	239.99+-	71.00
1634	275.99+-	46.65	1661	211.37+-	40.68	1689	143.05+-	45.96	1717	154.43+-	34.53
1744	107.40+-	28.70	1772	106.72+-	28.52	1799	113.65+-	29.34	1827	105.45+-	28.18
1854	44.93+-	18.34	1882	67.03+-	22.34	1909	37.04+-	16.56	1936	14.74+-	10.42
1964	7.33+-	7.33	1991	29.18+-	14.59	2018	14.52+-	10.27	2045	14.45+-	10.22
2072	0.00+-	0.00	2100	7.16+-	7.16	2127	7.13+-	7.13	2154	14.20+-	10.04
2181	0.00+-	0.00	2207	7.04+-	7.04	2234	7.01+-	7.01	2261	20.96+-	12.10

45DEG RUNS 871 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	7435.34+-	377.25	646	7830.35+-	370.90	674	7221.59+-	346.60	702	5610.14+-	291.01
731	5807.39+-	289.77	759	4641.47+-	251.35	788	4116.30+-	227.51	816	3645.80+-	208.29
845	3519.60+-	198.73	873	3071.35+-	183.43	901	2681.07+-	165.83	930	2361.65+-	152.31
958	2052.25+-	139.18	987	1755.85+-	125.00	1015	1547.90+-	115.69	1044	1257.16+-	102.63
1072	1191.75+-	98.28	1100	1007.26+-	88.12	1129	734.74+-	76.23	1157	839.21+-	80.43
1185	558.00+-	65.23	1214	617.98+-	66.77	1242	399.42+-	53.53	1270	316.99+-	46.74
1298	340.07+-	48.09	1326	202.64+-	37.82	1355	173.70+-	34.94	1383	131.29+-	29.36
1411	175.35+-	33.75	1439	128.57+-	28.75	1467	70.03+-	21.12	1495	75.69+-	21.85
1523	44.80+-	18.43	1550	49.59+-	17.53	1578	61.48+-	19.44	1606	18.30+-	10.57
1854	5.75+-	5.75	1882	0.00+-	0.00	1909	11.37+-	8.04	1937	0.00+-	0.00

NE +CU TO P INCLUSIVE 0.80 GEV/A

60DEG RUNS 856 886 854

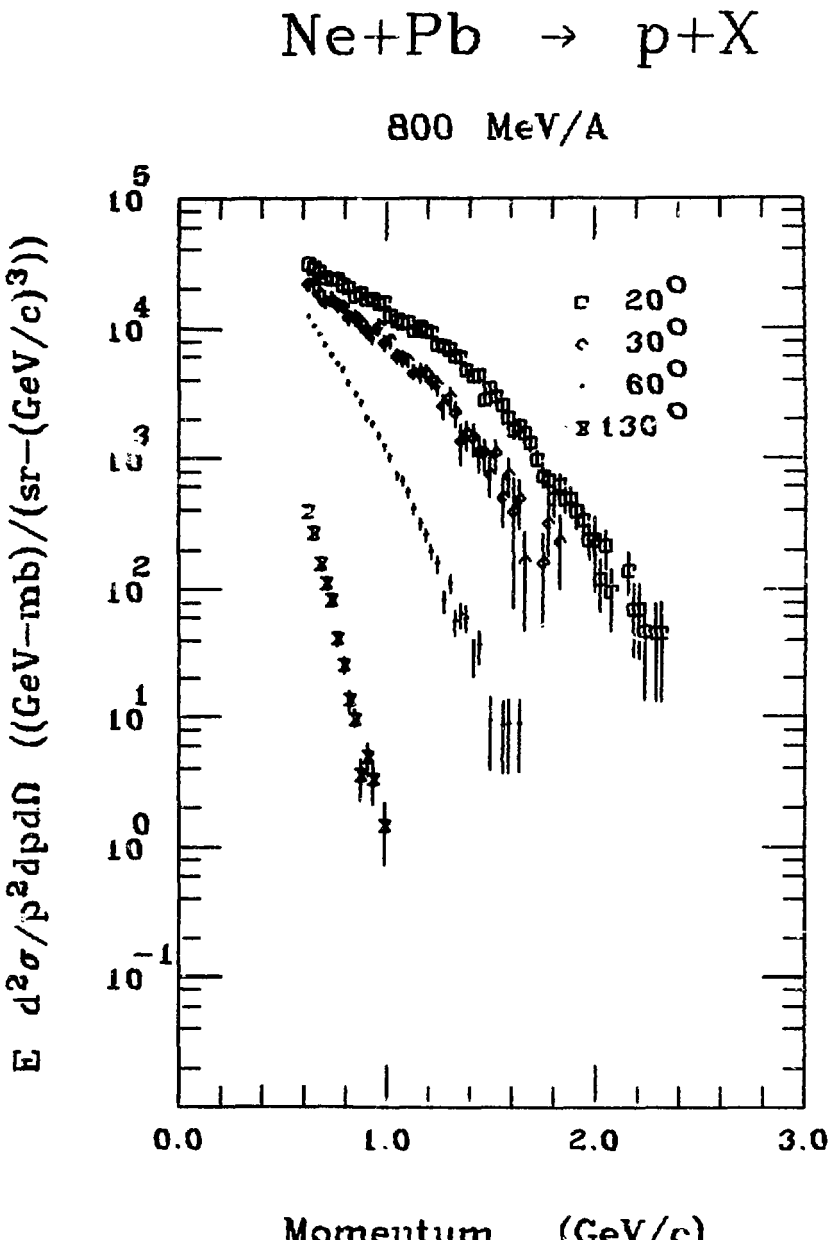
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	4814.39+-	165.26	647	4254.20+-	149.66	675	3565.42+-	131.48	703	3271.98+-	120.29
731	2534.31+-	103.44	760	2030.93+-	91.46	788	1831.00+-	84.44	817	1622.19+-	75.31
845	1367.26+-	69.75	873	1122.05+-	59.14	902	878.23+-	51.22	930	691.54+-	43.74
959	603.13+-	40.67	987	493.55+-	35.43	1016	354.98+-	31.22	1044	299.94+-	26.62
1072	305.94+-	26.43	1101	199.07+-	20.98	1129	159.93+-	18.59	1157	148.68+-	17.77
1186	110.75+-	15.21	1214	104.93+-	14.69	1242	58.80+-	10.92	1270	44.00+-	9.38
1299	27.63+-	7.39	1327	25.34+-	7.03	1355	13.49+-	5.10	1383	19.05+-	6.02
1411	7.54+-	3.77	1439	14.92+-	5.28	1467	0.00+-	0.00	1495	3.66+-	2.59
1523	3.63+-	2.57	1551	1.80+-	1.80	1578	3.57+-	2.52	1606	1.77+-	1.77
1634	1.76+-	1.76	1662	0.00+-	0.00	1689	0.00+-	0.00	1717	0.00+-	0.00
1745	1.71+-	1.71	1772	0.00+-	0.00	1800	0.00+-	0.00	1827	0.00+-	0.00

90DEG RUNS 952 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	911.35+-	34.64	647	708.98+-	29.21	675	609.59+-	26.11	703	425.33+-	21.02
731	295.42+-	17.05	760	243.58+-	15.11	788	176.00+-	12.44	817	115.53+-	9.86
845	89.12+-	8.36	873	64.13+-	7.06	902	44.97+-	5.58	930	42.31+-	5.29
959	22.16+-	3.75	987	9.53+-	2.63	1016	8.78+-	2.27	1044	10.16+-	2.39
1072	7.09+-	1.97	1101	4.76+-	1.59	1129	2.58+-	1.15	1157	4.06+-	1.44
1186	0.00+-	0.00	1214	1.48+-	.85	1242	.97+-	.69	1270	.96+-	.68
1299	.94+-	.67	1327	0.00+-	0.00	1355	0.00+-	0.00	1383	0.00+-	0.00
1523	.43+-	.43	1551	0.00+-	0.00	1578	0.00+-	0.00	1606	0.00+-	0.00

130DEG RUNS 942 947

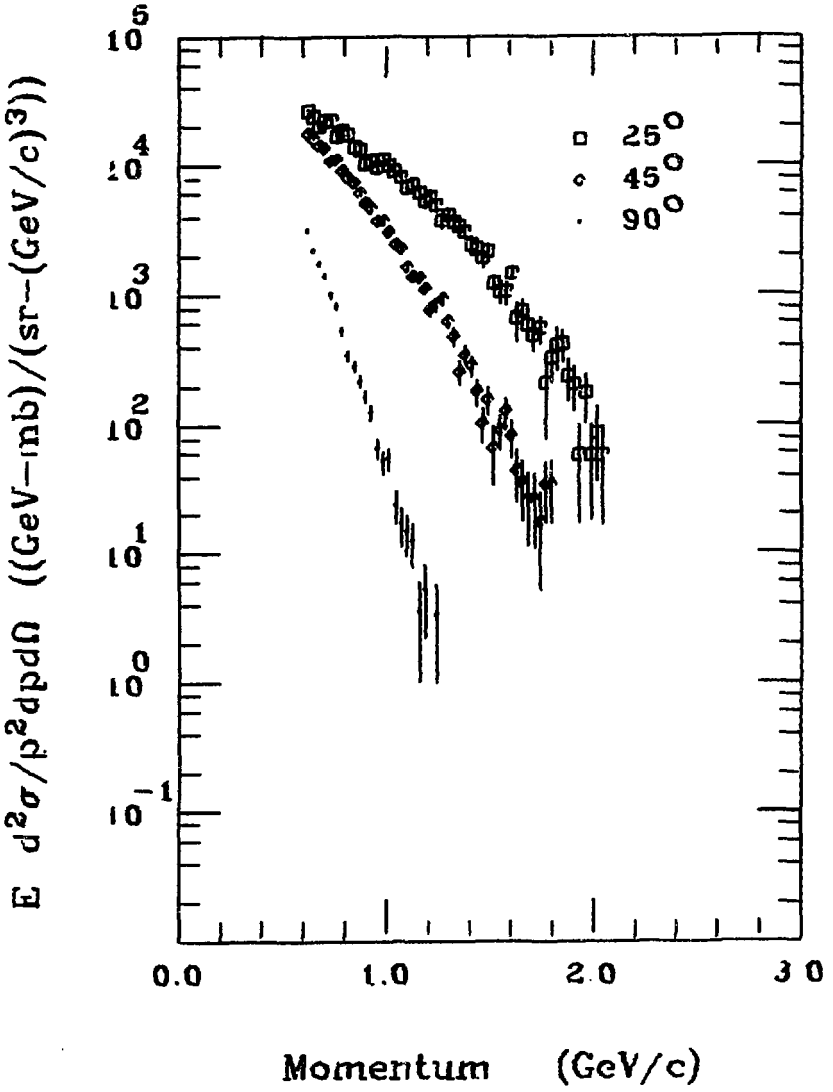
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
624	98.31+-	5.17	652	55.32+-	3.67	679	45.97+-	3.32	707	29.13+-	2.48
735	19.36+-	1.96	763	10.39+-	1.39	792	4.72+-	.91	820	3.30+-	.74
848	3.28+-	.72	876	1.78+-	.51	904	1.13+-	.40	933	.14+-	.14
961	.39+-	.22	989	0.00+-	0.00	1018	0.00+-	0.00	1046	0.00+-	0.00



XBL 7812-13813

Ne+Pb → p+X

800 MeV/A



XBL 7812-13814

NE +PB TO P INCLUSIVE 0.80 GEV/A

20DEG RUNS 827 826

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
619	30865.36+-	1607.99	647	28964.39+-	1496.86	675	27124.39+-	1413.79	703	24596.63+-	1289.86
732	23722.58+-	1202.36	760	23788.17+-	1180.14	788	21341.88+-	1100.59	817	20217.36+-	1032.34
845	17835.60+-	942.00	873	18698.21+-	933.45	902	16724.80+-	855.40	930	16924.23+-	851.18
959	15475.00+-	818.71	987	15768.20+-	790.91	1016	12344.12+-	681.18	1044	11576.13+-	678.84
1072	10944.85+-	626.95	1101	11053.94+-	619.21	1129	9509.50+-	583.54	1157	10183.05+-	577.02
1186	9454.67+-	555.54	1214	9291.68+-	567.96	1242	7404.00+-	488.22	1270	7244.05+-	479.75
1299	6933.87+-	470.26	1327	6010.90+-	441.61	1355	5898.65+-	431.64	1383	4793.58+-	387.86
1411	4317.85+-	364.34	1439	4341.55+-	367.02	1467	2848.42+-	295.95	1495	3462.10+-	312.45
1523	2969.05+-	293.85	1551	2525.75+-	262.16	1579	2023.76+-	250.62	1606	1634.76+-	222.92
1634	1763.45+-	223.75	1662	1547.63+-	210.21	1689	1297.73+-	187.42	1717	963.53+-	162.81
1745	721.32+-	133.95	1772	667.35+-	128.43	1800	478.70+-	118.56	1827	622.41+-	132.18
1855	485.65+-	108.59	1882	482.95+-	107.99	1909	384.28+-	96.07	1937	334.49+-	89.40
1964	237.71+-	75.17	1991	236.53+-	74.80	2018	117.70+-	52.64	2046	210.86+-	70.29
2073	93.29+-	46.64	2100	57.72+-	58.24	2127	23.12+-	23.12	2154	138.11+-	56.38
2181	68.77+-	39.71	2208	68.49+-	39.55	2235	45.48+-	32.16	2261	0.00+-	0.00
2288	45.14+-	31.92	2315	44.97+-	31.80	2342	0.00+-	0.00	2368	0.00+-	0.00
2395	22.25+-	22.25	2422	22.18+-	22.18	2448	22.11+-	22.11	2475	0.00+-	0.00
2607	21.72+-	21.72	2633	0.00+-	0.00	2659	0.00+-	0.00	2686	0.00+-	0.00

25DEG RUNS 882 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	25912.28+-	1711.19	645	23926.08+-	1642.34	673	19571.64+-	1538.01	702	22174.61+-	1381.56
730	22073.73+-	1400.08	759	16835.78+-	1258.13	787	18736.07+-	1131.64	816	17289.02+-	1057.75
844	13767.31+-	1010.24	873	12959.36+-	1012.81	901	10321.01+-	872.45	930	10613.69+-	940.44
958	9447.06+-	798.57	986	11095.80+-	808.08	1015	10041.81+-	727.64	1043	9005.48+-	728.81
1072	8002.50+-	742.58	1100	6766.34+-	601.48	1128	7064.73+-	617.56	1157	6072.70+-	609.78
1185	5208.82+-	544.75	1213	5677.86+-	539.19	1242	4844.32+-	505.46	1270	3688.21+-	440.56
1298	4092.98+-	452.60	1326	3637.84+-	394.35	1354	3319.21+-	396.67	1382	3054.83+-	342.33
1411	2453.08+-	331.64	1439	2234.60+-	295.77	1467	1911.86+-	321.36	1494	2164.03+-	264.38
1522	1216.49+-	197.34	1550	1043.71+-	214.63	1578	1035.22+-	212.89	1606	1436.90+-	211.86
1634	643.71+-	211.29	1661	738.66+-	150.78	1689	577.08+-	172.14	1717	485.72+-	121.43
1744	542.88+-	127.96	1772	206.25+-	133.10	1799	327.67+-	98.80	1827	411.07+-	153.08
1854	412.20+-	110.17	1882	234.24+-	82.82	1909	203.86+-	77.05	1936	57.94+-	40.97
1964	172.93+-	70.60	1991	57.36+-	40.56	2018	85.62+-	49.44	2045	56.81+-	40.17
2395	0.00+-	0.00	2421	0.00+-	0.00	2448	26.81+-	26.81	2474	26.72+-	26.72
2501	26.64+-	26.64	2527	0.00+-	0.00	2554	26.48+-	26.48	2580	0.00+-	0.00
2606	26.34+-	26.34	2633	0.00+-	0.00	2659	0.00+-	0.00	2685	0.00+-	0.00

NE +PB TO P INCLUSIVE 0.80 GEV/A

30DEG RUNS 844 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	22054.30+-	2388.53	645	20912.29+-	2392.73	674	18468.31+-	2211.18	702	16158.09+-	1868.34
730	16558.06+-	1919.16	759	15170.23+-	1723.40	787	14645.67+-	1697.51	816	12127.07+-	1518.71
844	12209.20+-	1423.80	873	11027.01+-	1445.60	901	9702.38+-	1165.64	930	8759.94+-	1084.10
958	10560.80+-	1224.28	986	7772.84+-	1004.26	1015	8094.44+-	979.54	1043	6033.34+-	906.85
1072	5922.15+-	837.44	1100	5592.18+-	824.28	1129	4508.21+-	720.34	1157	4543.97+-	760.76
1185	4552.08+-	709.75	1213	4007.07+-	665.77	1242	3667.97+-	635.75	1270	2562.15+-	570.16
1298	2932.22+-	569.90	1326	2265.54+-	509.93	1354	1362.46+-	480.22	1382	1547.09+-	403.61
1411	1443.56+-	389.71	1439	1133.83+-	386.01	1467	1109.78+-	307.80	1494	761.20+-	253.73
1522	1089.78+-	302.25	1550	498.71+-	203.60	1578	741.98+-	247.33	1606	386.88+-	317.63
1634	487.09+-	198.86	1661	161.19+-	113.98	1689	46.14+-	160.59	1717	79.49+-	79.49
1744	157.95+-	111.69	1772	313.92+-	156.96	1799	0.00+-	0.00	1827	232.63+-	134.31
1854	77.10+-	77.10	1882	0.00+-	0.00	1909	0.00+-	0.00	1936	0.00+-	0.00
1964	0.00+-	0.00	1991	225.30+-	130.08	2018	74.74+-	74.74	2045	74.39+-	74.39
2288	0.00+-	0.00	2315	71.40+-	71.40	2341	0.00+-	0.00	2368	70.89+-	10.89

45DEG RUNS 866 867 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
617	17759.29+-	715.54	645	16058.77+-	652.05	674	14207.93+-	605.84	702	13578.06+-	551.38
731	10765.61+-	491.92	759	10900.88+-	475.87	787	9053.90+-	413.27	816	7945.81+-	377.06
844	7189.90+-	347.67	873	6100.06+-	322.66	901	5061.69+-	281.41	930	4642.75+-	263.86
958	3683.95+-	231.65	987	3661.10+-	220.28	1015	3048.80+-	199.83	1043	2428.10+-	176.18
1072	2276.99+-	167.89	1100	1636.91+-	137.31	1129	1376.35+-	132.00	1157	1341.40+-	129.24
1185	1108.82+-	115.69	1214	756.75+-	91.58	1242	828.26+-	94.85	1270	914.69+-	95.89
1298	625.52+-	78.81	1326	471.94+-	71.60	1354	253.21+-	54.23	1383	344.71+-	57.45
1411	284.46+-	51.94	1439	178.54+-	40.96	1467	102.23+-	30.82	1495	156.43+-	37.94
1522	65.39+-	32.12	1550	90.50+-	28.62	1578	125.42+-	33.52	1606	80.36+-	26.79
1634	44.11+-	19.73	1661	35.03+-	17.52	1689	26.09+-	15.06	1717	25.91+-	14.96
1744	17.34+-	12.26	1772	34.11+-	17.06	1799	34.25+-	17.12	1827	8.43+-	8.43

NE +PB TO P INCLUSIVE 0.80 GEV/A

60DEG RUNS 848 849 856

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	12432.35+-	354.86	646	10435.84+-	319.54	674	9063.13+-	278.76	703	7449.08+-	240.96
731	6169.76+-	217.89	759	5344.54+-	202.42	788	4804.29+-	186.98	816	3782.77+-	150.37
845	3129.72+-	152.13	873	2675.19+-	121.02	902	2049.29+-	104.37	930	1842.75+-	91.84
958	1494.53+-	81.10	987	1226.71+-	71.95	1015	1016.89+-	70.05	1044	743.07+-	53.79
1072	664.30+-	50.10	1100	544.33+-	44.62	1129	405.41+-	38.16	1157	314.38+-	33.34
1185	259.64+-	30.00	1214	194.88+-	25.83	1242	157.68+-	23.01	1270	80.73+-	16.49
1298	110.68+-	18.99	1327	55.54+-	13.48	1355	63.57+-	14.22	1383	59.36+-	13.62
1411	30.67+-	9.70	1439	36.81+-	10.63	1467	0.00+-	0.00	1495	9.29+-	5.37
1634	8.92+-	5.15	1662	3.02+-	3.02	1689	2.80+-	2.80	1717	2.78+-	2.78

90DEG RUNS 955 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
618	3141.96+-	118.92	646	2160.32+-	94.38	674	1717.73+-	81.16	703	1372.57+-	69.86
731	989.44+-	57.70	759	801.08+-	50.65	788	518.68+-	39.54	816	338.27+-	31.25
845	279.37+-	27.39	873	215.17+-	23.87	902	163.55+-	19.69	930	124.57+-	16.80
958	65.08+-	11.88	987	51.57+-	10.93	1015	54.13+-	10.42	1044	23.21+-	6.70
1072	16.83+-	5.61	1100	14.49+-	5.12	1129	12.39+-	4.68	1157	3.48+-	2.46
1185	5.13+-	2.96	1214	0.00+-	0.00	1242	3.32+-	2.35	1270	0.00+-	0.00
1298	1.62+-	1.62	1327	1.60+-	1.60	1355	0.00+-	0.00	1383	0.00+-	0.00
1411	1.54+-	1.54	1439	0.00+-	0.00	1467	0.00+-	0.00	1495	0.00+-	0.00

130DEG RUNS 939 941 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
622	388.11+-	17.94	650	268.56+-	14.21	678	153.71+-	10.66	706	109.09+-	8.42
734	80.36+-	6.97	762	40.44+-	4.80	790	25.38+-	3.71	819	13.49+-	2.60
847	9.57+-	2.14	875	3.57+-	1.26	903	4.89+-	1.48	932	3.32+-	1.17
960	.38+-	.38	988	1.48+-	.74	1017	0.00+-	0.00	1045	0.00+-	0.00

INCLUSIVE INVARIANT CROSS-SECTIONS FOR DEUTERON PRODUCTION IN THE REACTIONS:

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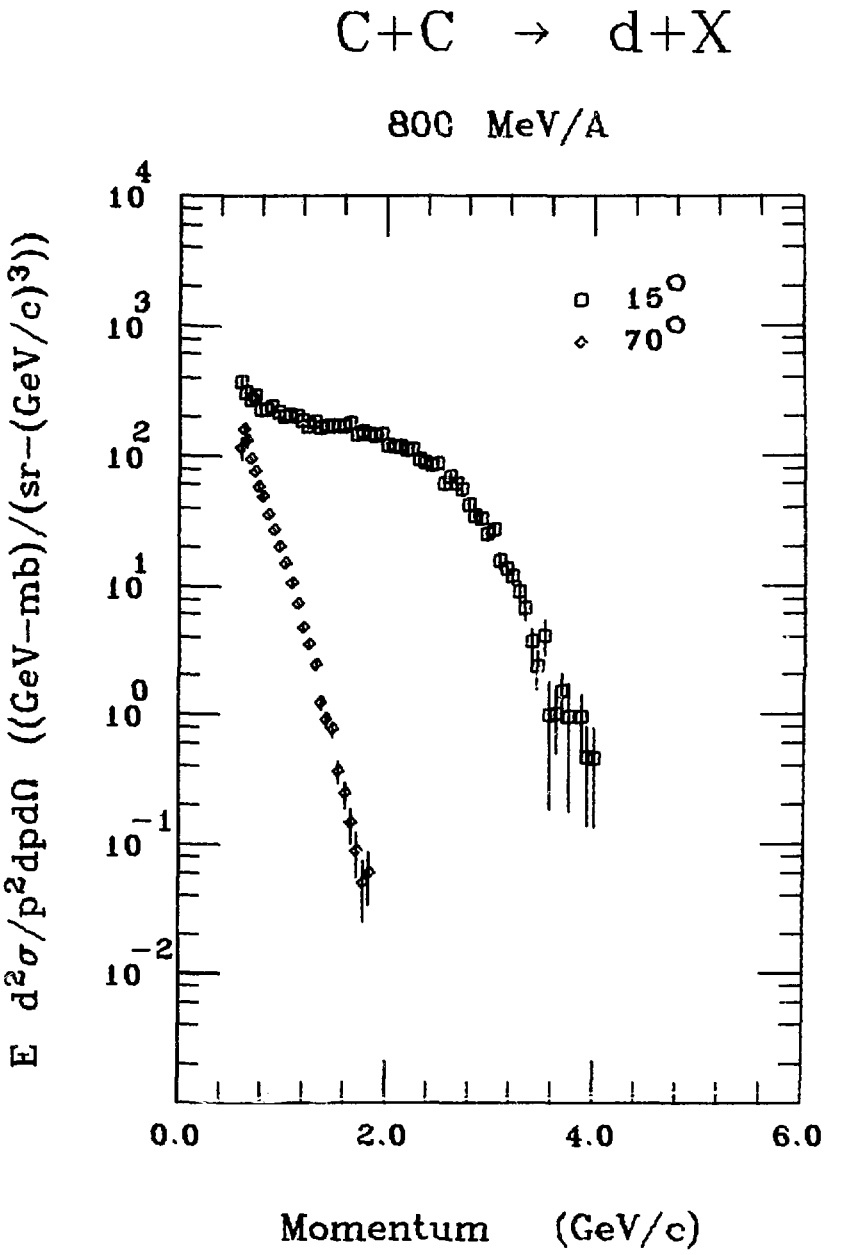
C + C → D + X..... 111

C + PB → D + X..... 115

NE + NAF → D + X..... 119

NE + CU → D + X..... 124

NE + PB → D + X..... 129



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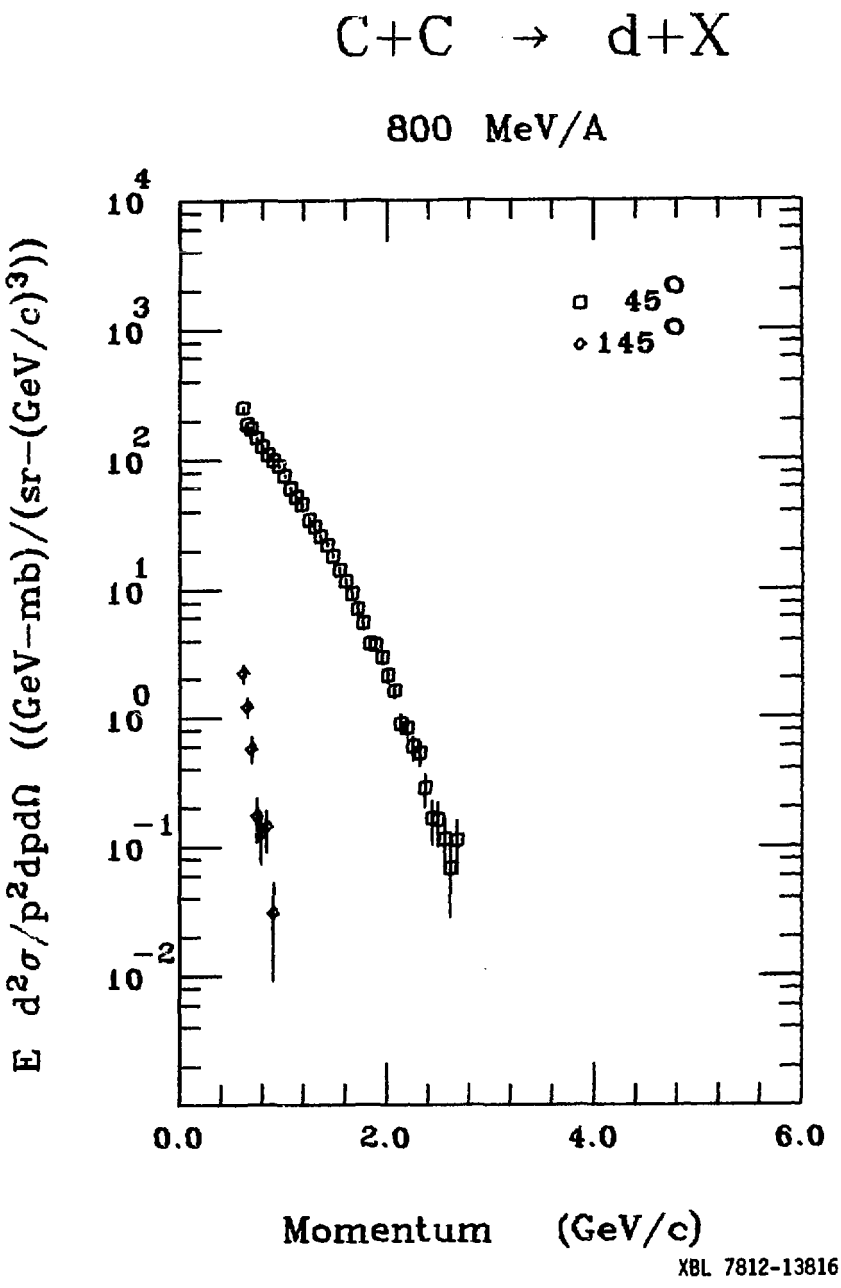
C+C → d+X
800 MeV/A
45°
145°
E d²σ/p²dpdΩ ((GeV-mb)/(sr-(GeV/c)³))
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
0.0
2.0
4.0
6.0
Momentum (GeV/c)
XBL 7812-13816

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C + C TO D INCLUSIVE 0.80 GEV/A
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15DEG RUNS 225 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
602	365.50+-	36.01	643	301.93+-	27.64	688	267.65+-	22.23	737	285.83+-	21.48
789	225.31+-	17.43	843	223.95+-	15.57	899	235.90+-	15.48	956	213.98+-	13.70
1013	198.75+-	12.36	1071	204.22+-	11.79	1129	201.04+-	11.42	1187	184.30+-	10.65
1246	169.04+-	9.85	1304	181.15+-	9.95	1363	162.13+-	9.30	1422	167.04+-	9.24
1481	166.98+-	9.14	1540	171.69+-	9.09	1599	168.74+-	8.79	1659	174.64+-	8.86
1718	145.39+-	7.85	1778	150.91+-	8.27	1837	143.53+-	7.52	1897	141.74+-	7.63
1956	142.88+-	7.44	2016	116.82+-	6.80	2076	115.37+-	6.56	2135	115.42+-	6.42
2195	110.35+-	6.22	2255	109.20+-	6.19	2315	91.31+-	5.56	2375	88.71+-	5.43
2435	83.68+-	5.23	2494	85.14+-	5.23	2554	61.22+-	4.42	2614	68.84+-	4.58
2674	59.98+-	4.44	2734	54.15+-	4.07	2794	42.04+-	3.58	2854	34.60+-	3.16
2914	32.44+-	3.12	2974	24.48+-	2.62	3034	26.68+-	2.81	3094	15.40+-	2.06
3154	13.33+-	1.90	3214	11.85+-	1.79	3274	9.04+-	1.69	3334	6.59+-	1.32
3394	3.65+-	.98	3454	2.33+-	.78	3514	4.08+-	1.21	3574	1.00+-	.81
3634	1.00+-	.50	3694	1.48+-	.61	3754	.96+-	.78	3814	.24+-	.24
3874	.95+-	.48	3934	.47+-	.33	3994	.46+-	.33	4054	.23+-	.23
4114	.22+-	.22	4174	0.00+-	0.00	4234	.21+-	.21	4294	0.00+-	0.00

45DEG RUNS 220 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
614	247.24+-	8.10	653	182.33+-	5.64	697	170.00+-	4.96	745	143.10+-	4.03
795	122.80+-	3.37	849	107.93+-	2.97	904	97.52+-	2.60	960	87.59+-	2.33
1017	73.71+-	2.03	1074	59.27+-	1.72	1132	50.77+-	1.54	1190	44.39+-	1.44
1248	34.31+-	1.20	1307	30.07+-	1.10	1365	25.16+-	1.02	1424	22.02+-	.89
1483	18.09+-	.79	1542	13.99+-	.69	1601	11.54+-	.61	1660	9.29+-	.54
1719	7.02+-	.46	1779	5.48+-	.40	1838	3.77+-	.33	1898	3.65+-	.32
1957	2.95+-	.29	2017	2.13+-	.24	2077	1.63+-	.21	2136	.90+-	.15
2196	.83+-	.15	2256	.60+-	.12	2316	.54+-	.11	2375	.29+-	.08
2435	.16+-	.06	2495	.16+-	.06	2555	.11+-	.05	2615	.07+-	.04
2675	.11+-	.05	2735	0.00+-	0.00	2795	.02+-	.02	2855	.02+-	.02

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C + C TO D INCLUSIVE 0.80 GEV/A
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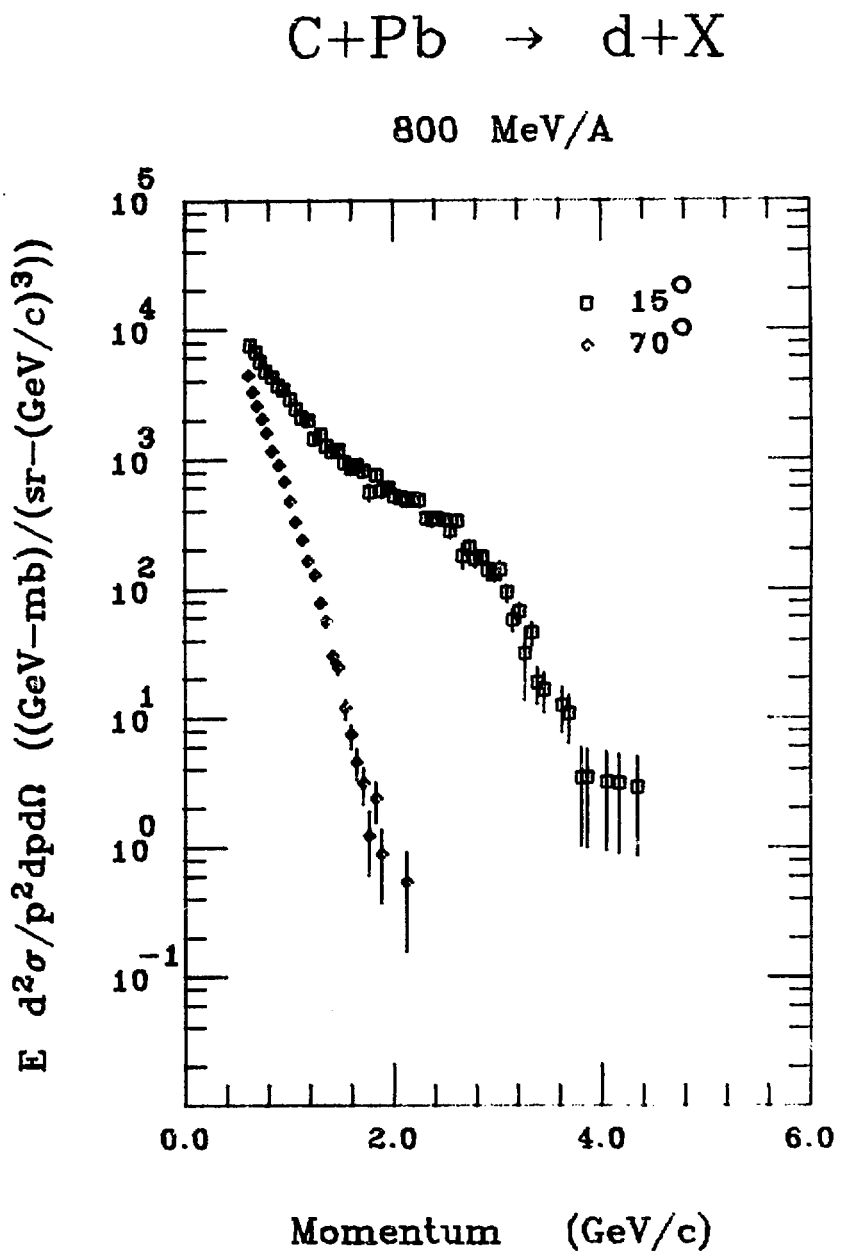
70DEG RUNS 229 231

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	589	0.00+-	0.00	606	115.24+-	21.97	629	160.32+-	9.29
656	131.48+-	4.05	689	93.76+-	2.67	728	76.16+-	2.22	771	58.16+-	1.66
819	47.86+-	1.39	869	35.01+-	1.10	921	26.50+-	.88	976	20.00+-	.72
1031	14.66+-	.58	1087	10.38+-	.48	1144	7.19+-	.37	1201	4.67+-	.29
1258	3.47+-	.26	1316	2.39+-	.20	1374	1.23+-	.14	1432	.91+-	.12
1490	.77+-	.11	1549	.37+-	.07	1607	.24+-	.06	1666	.15+-	.04
1725	.09+-	.03	1784	.05+-	.02	1843	.06+-	.03	1902	.01+-	.01

145DEG RUNS 252

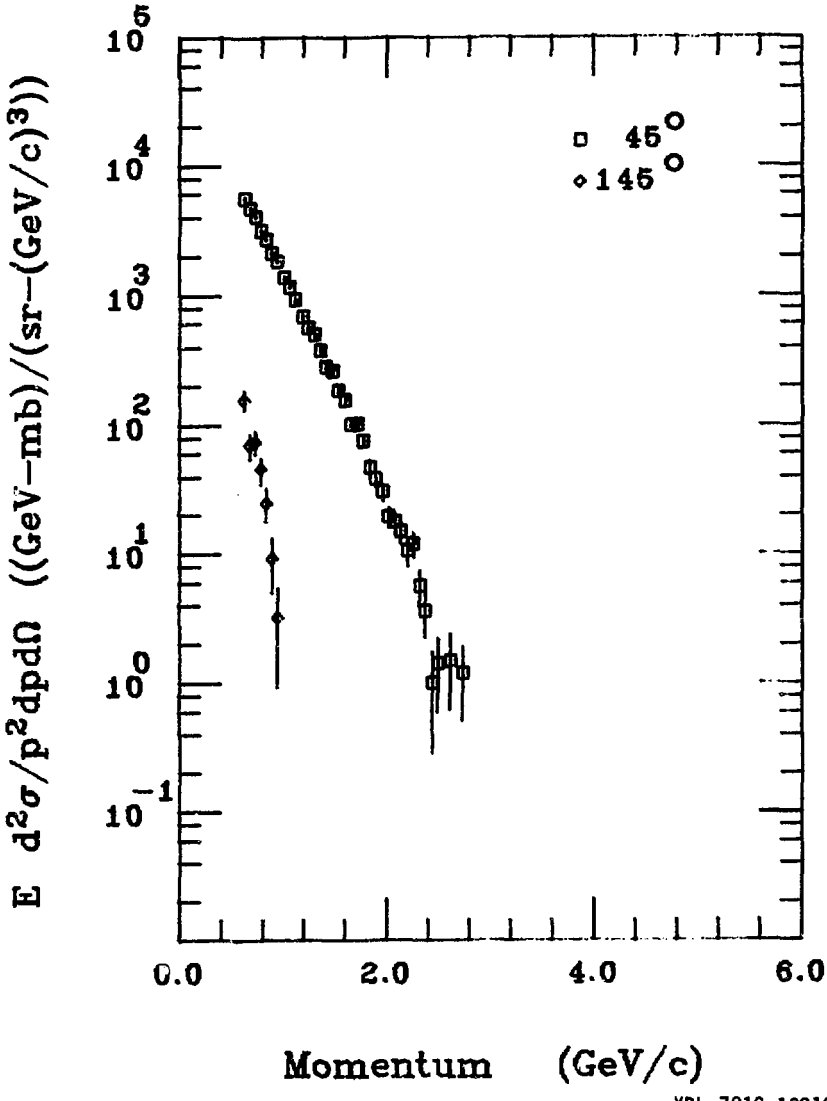
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
608	2.23+-	.36	648	1.22+-	.22	693	.58+-	.13	741	.17+-	.07
792	.12+-	.05	846	.14+-	.05	901	.03+-	.02	958	.01+-	.01



XBL 7812-13817

C+Pb → d+X

800 MeV/A



XBL 7812-13818

C +PB TO D INCLUSIVE 0.80 GEV/A

15DEG RUNS 226 227 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
582	0.00+-	0.00	626	7516.11+-	398.43	674	6782.56+-	298.88	726	5637.04+-	276.05
780	4783.46+-	233.72	835	4264.13+-	182.66	892	3670.38+-	185.70	949	3443.41+-	160.53
1007	2867.23+-	132.55	1065	2416.98+-	109.19	1124	2106.12+-	110.77	1183	1988.63+-	104.72
1242	1453.19+-	83.77	1301	1534.26+-	83.45	1360	1265.02+-	80.91	1419	1154.45+-	76.31
1478	1191.57+-	80.40	1538	937.49+-	72.90	1597	861.21+-	64.33	1656	894.33+-	68.69
1716	820.95+-	55.54	1776	557.51+-	75.27	1835	750.90+-	46.30	1895	571.20+-	60.54
1955	599.27+-	51.15	2014	515.36+-	57.05	2074	502.80+-	46.99	2134	481.01+-	40.68
2194	496.45+-	40.65	2254	487.58+-	44.61	2314	350.80+-	35.01	2373	339.86+-	34.23
2433	354.78+-	34.35	2493	344.51+-	33.64	2553	278.40+-	30.98	2613	335.41+-	27.21
2673	180.19+-	36.63	2733	210.58+-	27.55	2793	171.98+-	25.76	2853	175.21+-	19.12
2913	140.84+-	23.99	2973	130.41+-	16.30	3033	139.79+-	23.54	3093	93.71+-	13.67
3153	57.10+-	10.60	3213	66.39+-	11.39	3273	31.56+-	17.63	3333	45.84+-	9.36
3393	18.94+-	5.99	3453	16.80+-	5.60	3513	4.27+-	15.42	3573	0.00+-	0.00
3633	12.70+-	4.80	3693	10.80+-	4.41	3753	0.00+-	0.00	3813	3.50+-	2.47
3873	3.46+-	2.45	3933	1.69+-	1.69	3993	1.66+-	1.66	4053	3.27+-	2.31
4113	0.00+-	0.00	4173	3.14+-	2.22	4233	0.00+-	0.00	4293	1.50+-	1.50
4353	2.93+-	2.07	4413	1.43+-	1.43	4473	0.00+-	0.00	4533	1.34+-	1.34

45DEG RUNS 221 222 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
587	0.00+-	0.00	631	5592.43+-	147.16	678	4722.66+-	123.66	729	4097.72+-	102.29
782	3203.63+-	82.36	837	2775.26+-	72.10	894	2164.28+-	58.84	951	1845.10+-	51.69
1009	1359.79+-	41.90	1067	1159.57+-	36.50	1125	916.59+-	31.46	1184	676.35+-	27.38
1243	555.73+-	23.25	1302	492.76+-	21.57	1361	374.40+-	19.52	1420	280.00+-	15.30
1479	262.12+-	14.49	1538	185.99+-	11.95	1598	156.05+-	10.80	1657	101.94+-	8.64
1717	102.22+-	8.42	1776	74.96+-	7.25	1836	47.56+-	5.61	1895	38.19+-	5.01
1955	30.49+-	4.43	2015	19.54+-	3.48	2075	17.66+-	3.25	2134	15.06+-	2.98
2194	10.71+-	2.54	2254	12.03+-	2.64	2314	5.69+-	1.73	2374	3.67+	1.40
2434	1.01+-	.72	2494	1.42+-	.83	2553	.56+-	.56	2613	1.51+-	.88
2673	0.00+-	0.00	2733	1.21+-	.70	2793	0.00+-	0.00	2853	.52+-	.52

C +PB TO D INCLUSIVE 0.80 GEV/A

70DEG RUNS 230 231

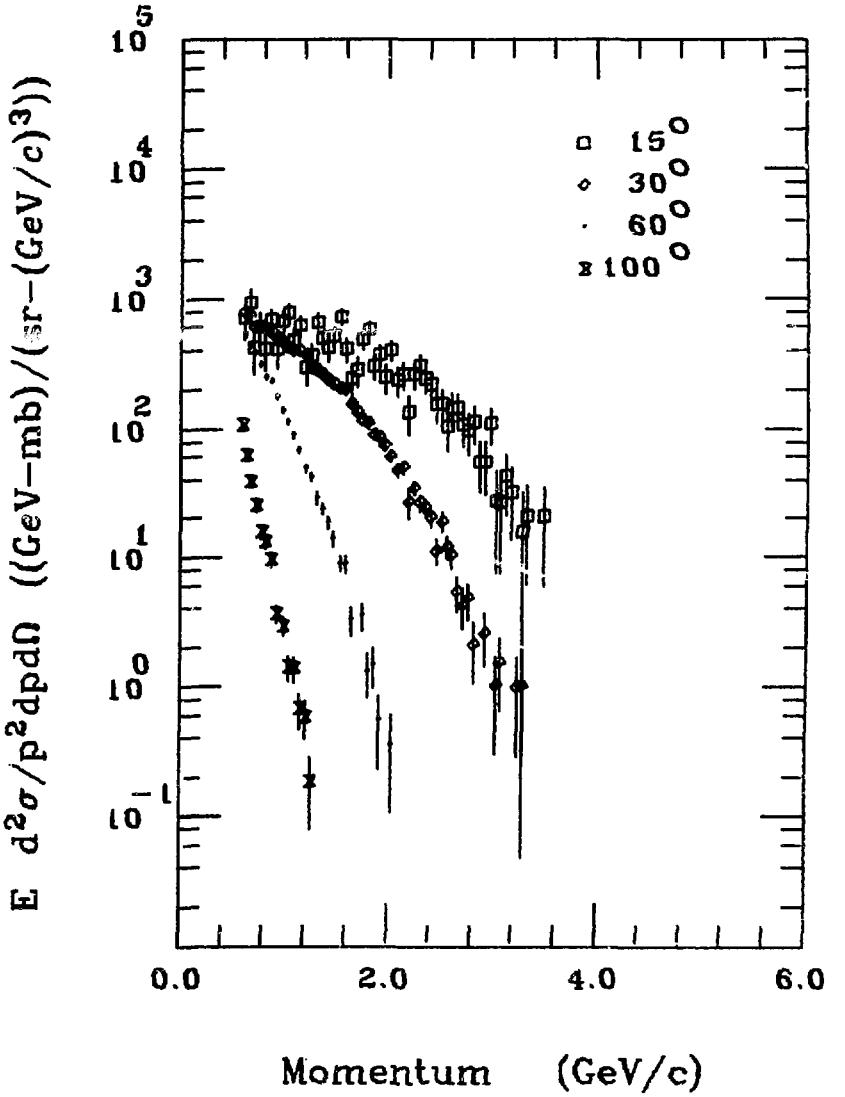
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
608	4426.41+-	112.30	648	3289.83+-	76.83	692	2568.89+-	62.21	741	2051.77+-	48.76
792	1578.48+-	39.25	846	1141.43+-	30.97	901	905.48+-	25.55	958	667.07+-	20.64
1015	468.39+-	16.38	1072	325.10+-	13.24	1130	234.11+-	10.57	1189	161.51+-	8.54
1247	125.50+-	7.62	1306	78.17+-	5.66	1364	55.26+-	4.65	1423	30.11+-	3.37
1482	24.64+-	2.99	1541	11.89+-	2.04	1600	7.44+-	1.59	1659	4.59+-	1.23
1719	3.18+-	1.01	1778	1.24+-	.62	1838	2.41+-	.85	1897	.88+-	.51
1957	.29+-	.29	2016	.28+-	.28	2076	.27+-	.27	2136	.54+-	.38

145DEG RUNS 253

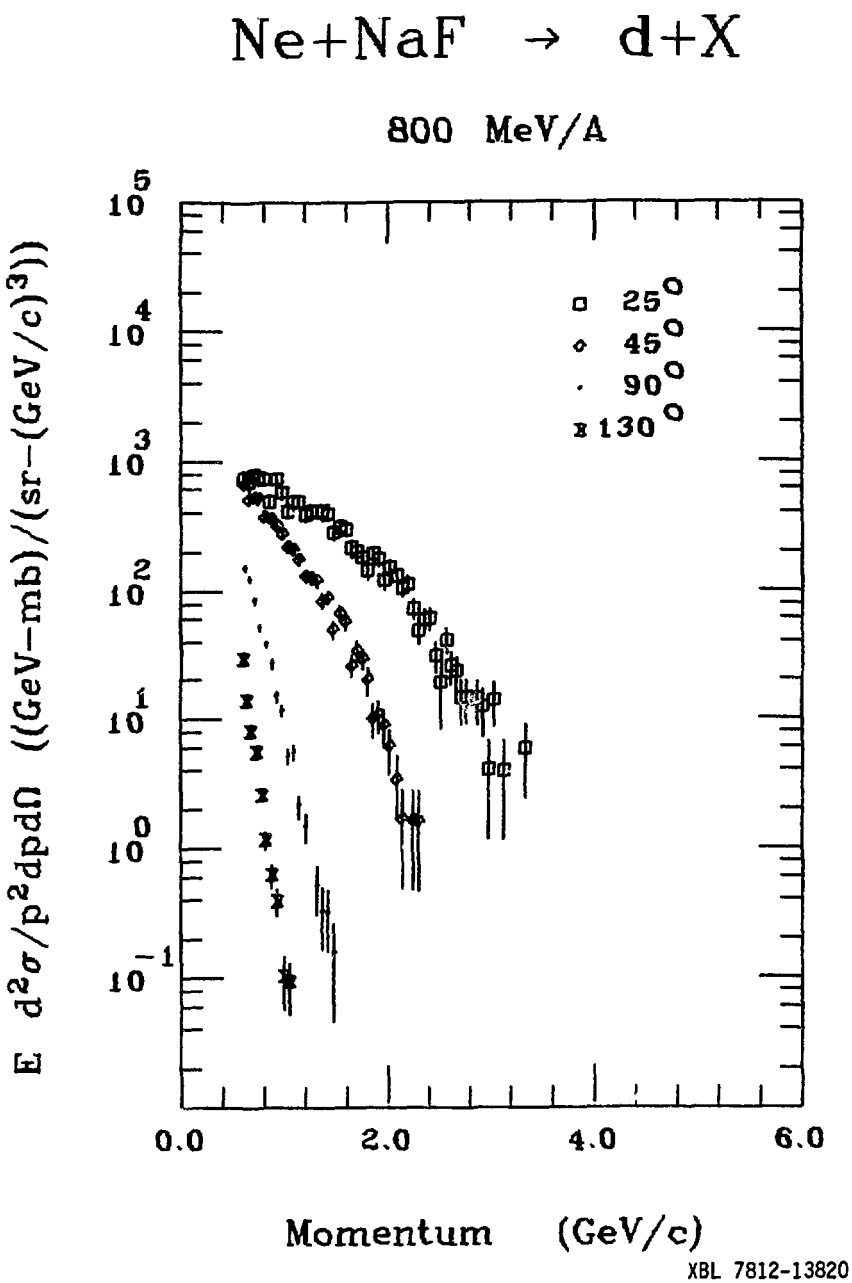
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
584	0.00+-	0.00	628	156.50+-	26.08	676	69.95+-	15.64	727	74.21+-	14.55
781	45.84+-	10.52	836	24.90+-	7.19	893	9.06+-	4.05	950	3.21+-	2.27

Ne+NaF → d+X

800 MeV/A



XBL 7812-13819



XBL 7812-13820

NE +NAF TO D INCLUSIVE 0.80 GEV/A

15DEG RUNS 961 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
570	0.00+-	0.00	614	706.50+-	235.50	662	923.85+-	248.73	712	420.06+-	161.64
765	602.25+-	168.34	818	404.91+-	129.28	873	676.63+-	151.30	928	406.60+-	119.40
984	664.22+-	140.13	1040	777.31+-	143.29	1096	476.44+-	107.57	1151	617.63+-	117.58
1207	294.55+-	83.05	1263	359.80+-	91.62	1319	653.38+-	112.75	1374	494.59+-	95.57
1430	417.42+-	95.11	1485	513.19+-	94.04	1540	726.85+-	113.40	1596	405.11+-	85.84
1651	239.96+-	67.82	1706	279.36+-	71.14	1761	479.19+-	86.88	1815	569.71+-	93.16
1870	303.69+-	66.61	1924	367.20+-	76.14	1979	244.84+-	62.27	2033	400.70+-	74.94
2087	236.54+-	50.15	2141	258.63+-	61.96	2195	133.77+-	45.43	2248	257.30+-	59.82
2302	303.18+-	62.17	2355	244.32+-	56.62	2409	217.25+-	55.25	2462	155.02+-	45.37
2515	153.20+-	42.49	2567	105.00+-	37.77	2620	144.29+-	42.00	2672	142.90+-	41.60
2725	107.62+-	36.25	2777	95.46+-	34.14	2829	111.34+-	35.21	2881	55.23+-	24.70
2932	54.82+-	24.52	2984	108.88+-	34.43	3035	27.07+-	19.49	3086	26.90+-	19.36
3137	42.72+-	21.36	3188	31.85+-	18.39	3239	5.31+-	11.79	3289	15.78+-	15.74
3340	20.89+-	14.77	3390	0.00+-	0.00	3440	10.33+-	10.33	3490	20.55+-	14.53
3540	10.22+-	10.22	3589	10.16+-	10.16	3639	0.00+-	0.00	3688	0.00+-	0.00
3737	9.97+-	9.97	3786	0.00+-	0.00	3835	0.00+-	0.00	3884	0.00+-	0.00

25DEG RUNS 881 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
570	0 00+-	0.00	615	740.44+-	120.61	662	689.59+-	96.84	712	780.80+-	100.57
765	738.58+-	81.90	819	724.00+-	74.98	873	488.41+-	55.30	928	715.60+-	65.30
984	569.11+-	55.49	1040	410.91+-	43.31	1096	484.69+-	46.82	1151	480.52+-	46.60
1207	384.98+-	39.66	1263	408.07+-	39.79	1319	404.17+-	37.37	1374	406.06+-	36.76
1430	390.58+-	36.72	1485	281.70+-	31.05	1541	311.27+-	30.67	1596	296.78+-	29.53
1651	211.61+-	27.43	1706	199.56+-	25.04	1761	181.33+-	23.69	1815	142.69+-	21.08
1870	192.04+-	23.73	1924	175.48+-	22.55	1979	119.41+-	18.90	2033	150.76+-	19.30
2087	128.81+-	17.69	2141	105.24+-	15.87	2195	113.07+-	16.32	2249	71.98+-	12.93
2302	48.09+-	10.49	2355	58.77+-	11.52	2409	60.27+-	11.60	2462	30.88+-	8.25
2515	19.48+-	11.30	2567	41.00+-	9.41	2620	25.63+-	7.40	2672	23.27+-	7.02
2725	14.67+-	5.55	2777	14.54+-	5.50	2829	3.02+-	6.65	2881	14.31+-	5.41
2932	12.18+-	4.97	2984	4.03+-	2.85	3035	14.01+-	5.30	3086	.93+-	6.10
3137	3.95+-	2.80	3188	0.00+-	0.00	3239	0.00+-	0.00	3289	0.00+-	0.00
3340	5.80+-	3.35	3390	0.00+-	0.00	3440	0.00+-	0.00	3490	1.90+-	1.90

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NE +NAF TO D INCLUSIVE 0.80 GEV/A
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30DEG RUNS 880 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
571	0.00+-	0.00	615	789.50+-	54.22	662	740.15+-	47.29	713	601.70+-	63.02
765	604.55+-	46.61	819	595.65+-	32.99	873	543.55+-	29.52	929	490.66+-	26.45
984	457.17+-	30.29	1040	420.27+-	25.06	1096	396.07+-	23.27	1152	394.04+-	22.35
1207	367.01+-	21.11	1263	303.42+-	19.09	1319	279.07+-	18.03	1374	259.09+-	14.86
1430	237.13+-	13.97	1485	220.84+-	17.42	1541	201.57+-	14.69	1596	197.14+-	12.18
1651	153.53+-	12.89	1706	132.62+-	12.08	1761	115.26+-	8.97	1815	107.97+-	8.59
1870	89.69+-	7.75	1925	84.66+-	7.45	1979	72.79+-	6.85	2033	60.12+-	6.17
2087	46.67+-	5.39	2141	49.00+-	5.48	2195	26.83+-	7.25	2249	34.48+-	4.53
2302	26.39+-	3.93	2355	24.31+-	3.75	2409	20.00+-	3.38	2462	11.30+-	2.53
2515	18.99+-	3.26	2567	12.16+-	2.59	2620	10.39+-	2.38	2672	5.42+-	1.71
2725	4.29+-	1.52	2777	4.79+-	1.60	2829	2.11+-	1.06	2881	.52+-	.52
2932	2.60+-	1.16	2984	.52+-	.52	3035	1.03+-	.72	3086	1.53+-	.88
3137	0.00+-	0.00	3188	0.00+-	0.00	3239	1.00+-	.71	3289	1.00+-	.70

45DEG RUNS 872 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
573	0.00+-	0.00	617	669.27+-	61.82	664	505.92+-	46.41	714	521.01+-	43.02
766	509.97+-	40.09	820	372.61+-	31.19	874	362.19+-	28.75	929	317.44+-	24.94
985	273.68+-	22.60	1040	220.69+-	19.23	1096	206.29+-	17.64	1152	176.79+-	16.54
1208	131.00+-	13.74	1263	125.25+-	12.59	1319	119.95+-	12.25	1375	83.14+-	9.87
1430	88.24+-	9.99	1486	49.75+-	7.85	1541	66.98+-	8.44	1596	56.86+-	7.67
1651	26.18+-	5.13	1706	34.38+-	5.81	1761	29.47+-	5.57	1816	20.10+-	4.91
1870	10.12+-	3.05	1925	10.82+-	3.12	1979	8.85+-	2.80	2033	6.09+-	2.30
2087	3.42+-	1.71	2141	1.68+-	1.19	2195	0.00+-	0.00	2249	1.63+-	1.16
2302	1.61+-	1.14	2355	.80+-	.80	2409	.79+-	.79	2462	.78+-	.78
2515	.77+-	.77	2567	0.00+-	0.00	2620	0.00+-	0.00	2672	0.00+-	0.00

NE +NAF TO D INCLUSIVE 0.80 GEV/A

60DEG RUNS 852 891 856 886

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
577	0.00+-	0.00	620	519.52+-	25.38	667	425.97+-	19.86	716	381.45+-	16.97
768	307.28+-	14.50	821	249.56+-	11.31	876	230.74+-	10.62	931	175.45+-	8.37
986	138.07+-	7.82	1042	112.13+-	6.80	1097	89.54+-	5.57	1153	67.92+-	4.38
1209	48.85+-	3.63	1264	41.41+-	3.26	1320	28.65+-	3.47	1375	23.70+-	2.38
1431	18.66+-	2.07	1486	13.88+-	1.76	1541	8.88+-	1.39	1597	8.89+-	1.37
1652	3.30+-	.82	1706	.98+-	1.40	1761	3.54+-	.83	1816	1.33+-	.50
1871	1.51+-	.53	1925	.55+-	.32	1979	0.00+-	0.00	2034	.36+-	.25
2302	.16+-	.16	2356	0.00+-	0.00	2409	0.00+-	0.00	2462	0.00+-	0.00

90DEG RUNS 951 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
577	0.00+-	0.00	620	150.05+-	7.51	667	124.13+-	6.14	716	84.68+-	4.57
768	51.37+-	3.33	821	38.35+-	2.65	876	27.09+-	2.13	931	15.23+-	1.49
986	11.84+-	1.26	1042	5.22+-	.77	1097	5.53+-	.76	1153	2.16+-	.46
1209	1.50+-	.37	1264	.26+-	.27	1320	.52+-	.21	1375	.33+-	.17
1431	.32+-	.16	1486	.15+-	.11	1541	0.00+-	0.00	1597	.07+-	.07

100DEG RUNS 928 933

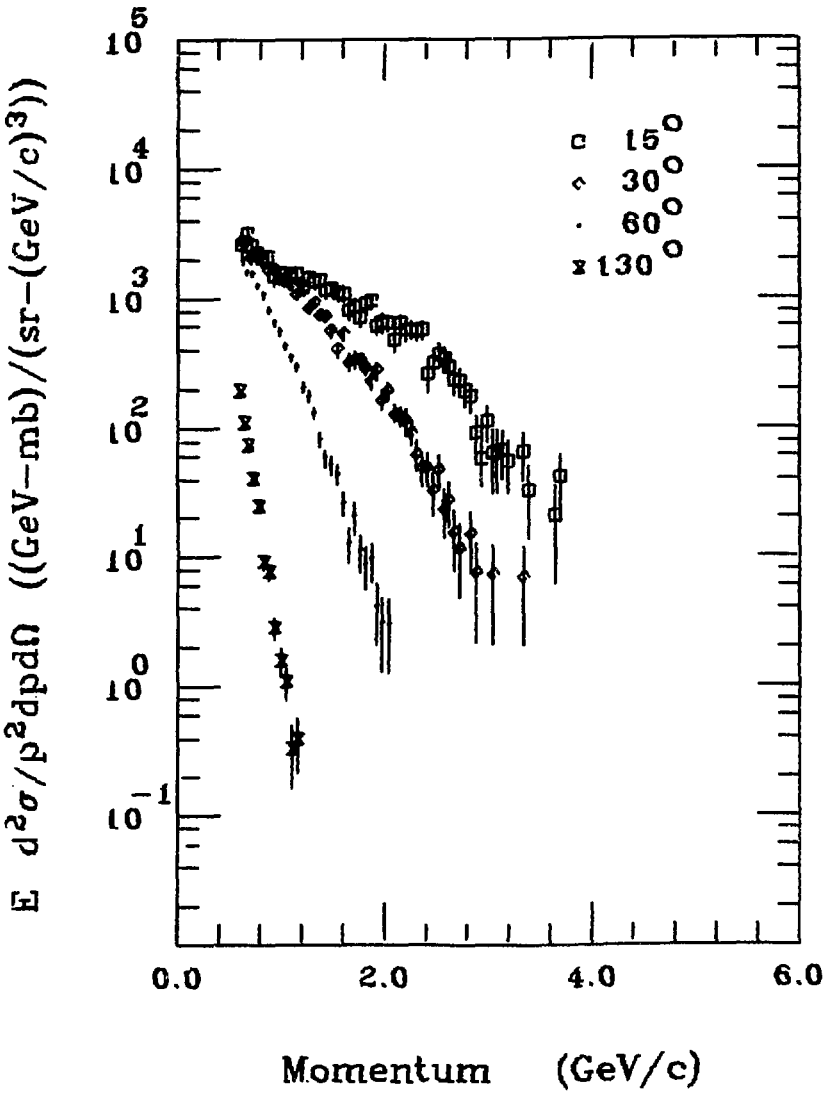
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
604	105.69+-	6.57	643	62.48+-	5.15	686	38.81+-	3.54	732	25.22+-	2.71
781	15.94+-	1.82	833	13.26+-	1.55	886	9.52+-	1.01	940	3.65+-	.59
994	2.94+-	.50	1049	1.42+-	.33	1104	1.38+-	.32	1159	.68+-	.22
1214	.58+-	.19	1270	.19+-	.11	1325	.06+-	.06	1380	0.00+-	0.00

130DEG RUNS 938 947 948

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
604	29.36+-	1.90	643	13.92+-	.93	686	8.16+-	.71	732	5.53+-	.48
781	2.61+-	.30	833	1.16+-	.19	886	.62+-	.13	940	.39+-	.10
994	.10+-	.05	1049	.09+-	.04	1104	0.00+-	0.00	1159	0.00+-	0.00

Ne+Cu → d+X

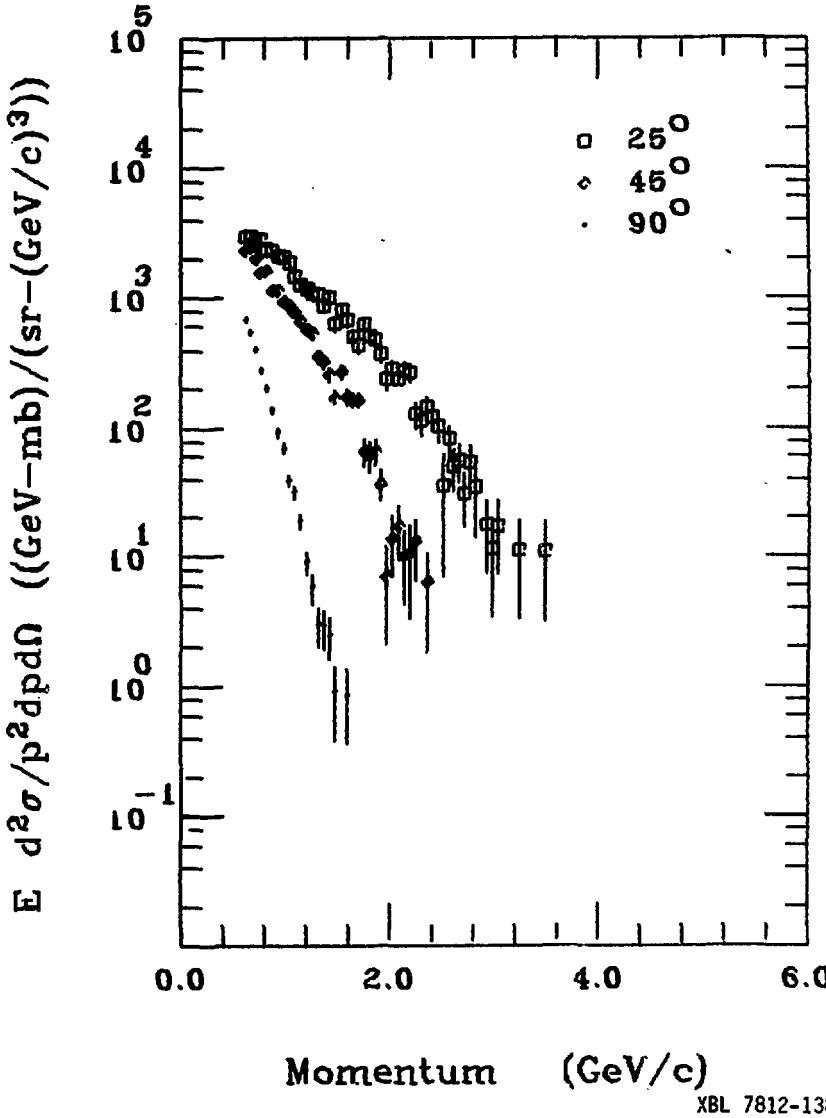
800 MeV/A



XBL 7812-13821

Ne+Cu → d+X

800 MeV/A



XBL 7812-13822

NE +CU TO D INCLUSIVE 0.80 GEV/A

15DEG RUNS 960 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
570	0.00+-	0.00	614	2605.82+-	460.65	662	3152.49+-	470.36	712	2526.12+-	393.73
765	2253.54+-	332.57	818	2027.87+-	292.97	873	2105.75+-	271.85	928	1471.27+-	233.65
984	1549.68+-	224.91	1040	1538.62+-	212.58	1095	1444.99+-	193.07	1151	1555.38+-	192.99
1207	1224.00+-	172.38	1263	1442.05+-	187.31	1319	1344.03+-	168.06	1374	1356.37+-	162.28
1430	1165.41+-	169.40	1485	1181.71+-	146.72	1540	1093.17+-	150.88	1596	1079.43+-	147.63
1651	794.74+-	128.68	1706	853.59+-	130.33	1761	705.26+-	113.40	1815	899.35+-	124.26
1870	948.02+-	120.52	1924	611.11+-	108.79	1979	646.24+-	107.08	2033	642.99+-	100.22
2087	474.48+-	93.06	2141	641.23+-	103.56	2195	556.19+-	94.30	2248	574.22+-	94.75
2302	561.02+-	87.69	2355	575.35+-	90.77	2409	260.64+-	71.52	2462	314.23+-	69.21
2515	366.74+-	66.96	2567	343.67+-	70.87	2620	295.79+-	62.97	2672	233.66+-	56.45
2725	231.52+-	55.93	2777	194.58+-	51.65	2829	173.25+-	44.73	2881	91.68+-	32.41
2932	56.87+-	25.43	2984	112.95+-	35.72	3035	64.04+-	33.03	3086	63.63+-	32.82
3137	66.48+-	27.14	3188	55.07+-	24.63	3239	7.75+-	20.98	3289	0.00+-	0.00
3340	65.00+-	26.53	3390	32.33+-	18.66	3440	10.72+-	10.72	3490	10.66+-	10.66
3540	10.60+-	10.60	3589	10.54+-	10.54	3639	20.96+-	14.82	3688	41.66+-	20.83
3737	10.35+-	10.35	3786	0.00+-	0.00	3835	0.00+-	0.00	3884	0.00+-	0.00

25DEG RUNS 883 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
570	0.00+-	0.00	615	2933.17+-	382.82	662	2926.64+-	326.81	712	2619.89+-	298.73
765	2827.45+-	265.92	819	2341.84+-	225.27	873	2327.54+-	204.14	928	2067.08+-	186.36
984	2033.35+-	175.01	1040	1866.83+-	156.11	1096	1425.69+-	134.68	1151	1245.89+-	125.89
1207	1157.89+-	115.16	1263	1077.50+-	108.78	1319	1037.13+-	101.21	1374	856.51+-	90.28
1430	981.78+-	98.13	1485	621.33+-	78.08	1541	803.60+-	83.33	1596	663.75+-	74.68
1651	495.68+-	70.79	1706	429.41+-	62.31	1761	614.54+-	72.30	1815	509.62+-	65.60
1870	476.72+-	62.94	1924	372.16+-	55.77	1979	235.81+-	45.44	2033	282.68+-	44.69
2087	236.27+-	40.52	2141	273.55+-	43.25	2195	262.69+-	42.06	2249	126.14+-	28.94
2302	111.31+-	27.00	2355	142.18+-	30.31	2409	121.27+-	27.82	2462	100.91+-	25.23
2515	34.72+-	27.77	2567	80.21+-	22.25	2620	48.86+-	17.27	2672	54.43+-	18.14
2725	29.96+-	13.40	2777	53.47+-	17.82	2829	34.08+-	21.17	2881	0.00+-	0.00
2932	17.41+-	10.05	2984	11.52+-	8.15	3035	17.17+-	9.91	3086	0.00+-	0.00
3340	0.00+-	0.00	3390	5.50+-	5.50	3440	5.47+-	5.47	3490	10.88+-	7.69

NE +CU TO D INCLUSIVE 0.80 GEV/A

30DEG RUNS 879 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
571	0.00+-	0.00	615	2823.72+-	272.98	662	2783.08+-	244.09	713	2072.68+-	238.93
765	2154.33+-	199.25	819	2136.45+-	166.32	873	1670.30+-	137.76	929	1687.99+-	130.62
984	1399.80+-	124.42	1040	1353.74+-	111.14	1096	1267.48+-	103.03	1152	1068.37+-	92.12
1207	1168.55+-	93.47	1263	824.88+-	78.02	1319	911.45+-	79.77	1374	736.84+-	66.71
1430	711.85+-	64.45	1485	558.29+-	64.89	1541	402.51+-	52.01	1596	527.88+-	53.05
1651	318.90+-	45.85	1706	336.45+-	46.15	1761	331.67+-	40.52	1815	290.56+-	37.51
1870	227.67+-	32.86	1925	279.05+-	36.03	1979	164.34+-	27.39	2033	192.85+-	29.41
2087	127.89+-	23.75	2141	121.52+-	22.97	2195	112.86+-	28.01	2249	92.69+-	19.76
2302	62.33+-	16.09	2355	49.22+-	14.21	2409	48.60+-	14.03	2462	32.02+-	11.32
2515	47.49+-	13.71	2567	23.49+-	9.59	2620	27.13+-	10.25	2672	15.35+-	7.68
2725	11.41+-	6.59	2777	3.77+-	3.77	2829	14.96+-	7.48	2881	7.42+-	5.25
3137	0.00+-	0.00	3188	0.00+-	0.00	3239	0.00+-	0.00	3289	3.53+-	3.53
3340	7.01+-	4.96	3390	0.00+-	0.00	3440	3.47+-	3.47	3490	0.00+-	0.00

45DEG RUNS 871 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
573	0.00+-	0.00	617	2331.94+-	224.74	664	2439.38+-	201.43	714	1967.73+-	164.93
766	1540.02+-	136.87	820	1604.30+-	127.50	874	1111.01+-	99.63	929	1133.12+-	93.78
985	932.89+-	82.12	1040	848.14+-	74.29	1096	761.27+-	67.12	1152	652.47+-	61.75
1208	557.51+-	55.17	1263	521.14+-	51.10	1319	347.36+-	41.32	1375	315.36+-	38.24
1430	255.39+-	33.83	1486	166.32+-	27.91	1541	269.49+-	33.69	1596	171.97+-	26.54
1651	159.53+-	25.22	1706	159.52+-	24.91	1761	65.25+-	16.44	1816	60.73+-	16.37
1870	65.56+-	15.45	1925	35.71+-	11.29	1979	7.01+-	4.96	2033	13.77+-	6.89
2087	16.93+-	7.57	2141	10.00+-	5.77	2195	10.39+-	7.11	2249	12.94+-	6.47

60DEG RUNS 856 886 854

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
577	0.00+-	0.00	620	1970.49+-	111.13	667	1588.85+-	88.55	716	1559.30+-	79.27
768	1239.97+-	65.89	821	1059.66+-	55.31	876	803.78+-	45.80	931	648.74+-	38.23
986	548.99+-	34.54	1042	422.20+-	29.07	1097	346.85+-	24.83	1153	298.00+-	21.79
1209	205.12+-	17.65	1264	175.99+-	16.00	1320	129.91+-	14.70	1375	80.77+-	10.43
1431	58.53+-	8.72	1486	51.64+-	8.06	1541	44.00+-	7.33	1597	26.15+-	5.57
1652	12.73+-	3.84	1706	20.72+-	5.98	1761	11.03+-	3.49	1816	8.63+-	3.05
1871	9.51+-	3.17	1925	4.15+-	2.07	1979	3.05+-	1.76	2034	3.00+-	1.73
2088	0.00+-	0.00	2141	.97+-	.97	2195	0.00+-	0.00	2249	.94+-	.94
2515	.88+-	.88	2568	0.00+-	0.00	2620	0.00+-	0.00	2673	0.00+-	0.00

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NE +CU TO D INCLUSIVE 0.80 GEV/A
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90DEG RUNS 952 956

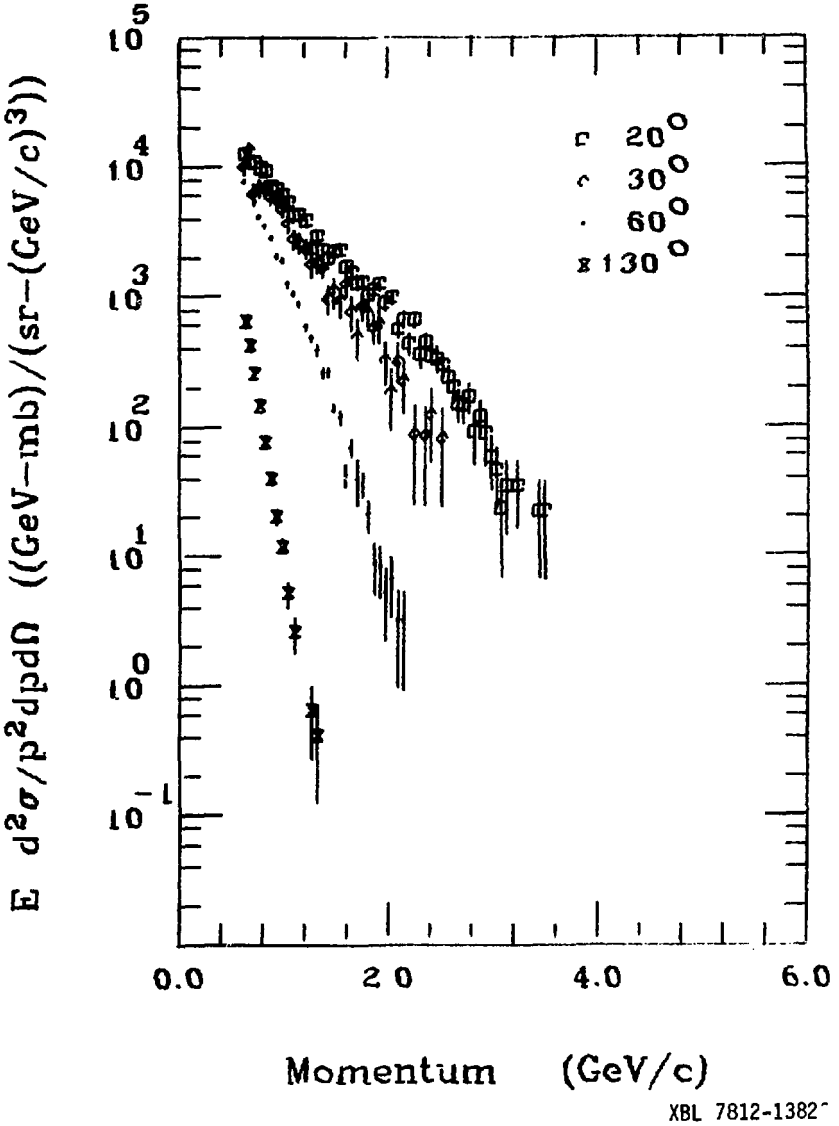
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
577	0.00+-	0.00	620	670.00+-	31.00	667	535.56+-	24.94	716	396.46+-	19.38
768	272.66+-	14.89	821	200.58+-	11.83	876	135.79+-	9.19	931	90.80+-	7.06
986	68.66+-	5.83	1042	38.38+-	4.12	1097	31.64+-	3.58	1153	18.66+-	2.67
1209	9.08+-	1.82	1264	5.79+-	1.55	1320	3.01+-	1.00	1375	2.90+-	.97
1431	2.49+-	.88	1486	.90+-	.52	1541	.29+-	.29	1597	.85+-	.49

130DEG RUNS 942 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
604	192.48+-	9.74	643	108.10+-	5.67	686	72.72+-	4.25	732	40.92+-	2.84
781	24.42+-	2.00	833	9.04+-	1.13	886	7.68+-	.97	940	2.86+-	.56
994	1.58+-	.40	1049	1.08+-	.31	1104	.33+-	.17	1159	.39+-	.17

Ne+Pb → d+X

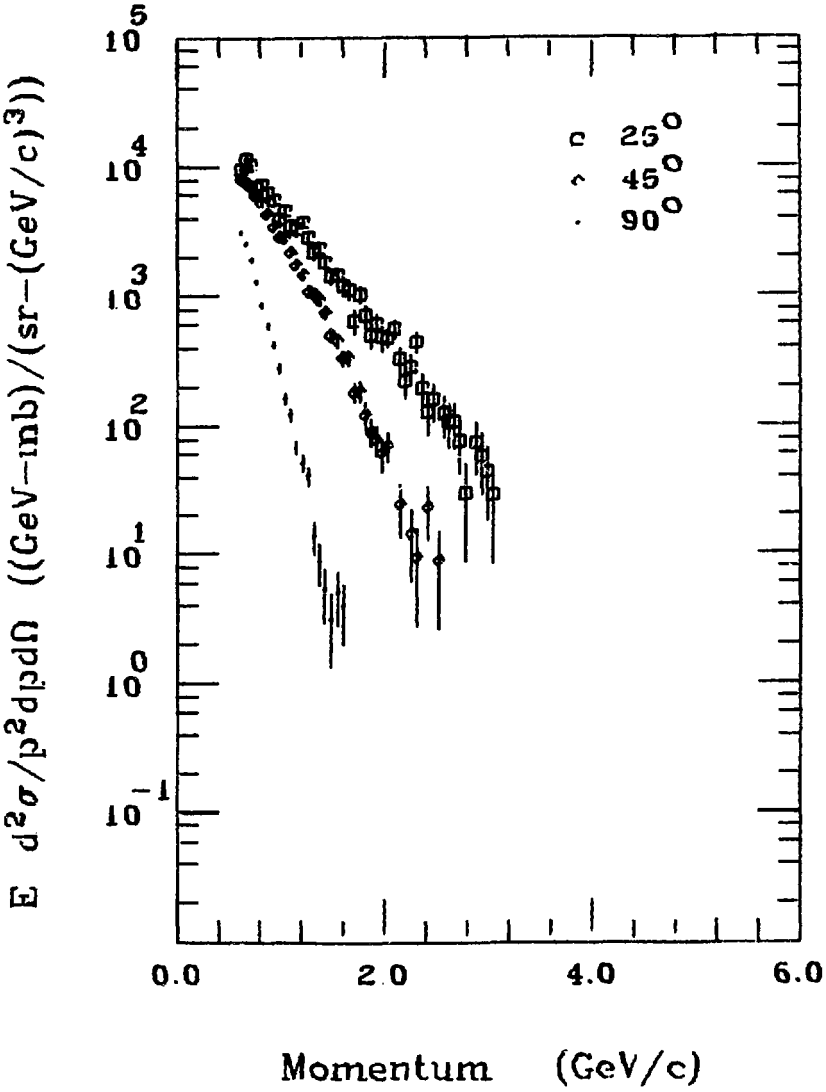
800 MeV/A



XBL 7812-1382

Ne+Pb → d+X

800 MeV/A



XBL 7812-13824

NE +PB TO D INCLUSIVE 0.80 GEV/A

20DEG RUNS 827 826

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
578	0.00+-	0.00	621	12376.96+-	1046.87	667	10646.72+-	872.88	717	10678.85+-	789.93
768	9800.44+-	709.78	822	9286.95+-	624.71	876	7002.54+-	518.13	931	6686.57+-	476.84
986	6020.04+-	429.31	1042	5346.30+-	378.99	1097	4322.02+-	333.77	1153	4244.06+-	313.73
1209	3868.97+-	298.78	1264	2381.02+-	228.26	1320	2947.77+-	251.17	1376	2330.87+-	220.43
1431	1977.69+-	196.97	1486	2254.59+-	203.29	1541	2329.85+-	209.41	1597	1694.62+-	177.73
1652	1533.15+-	160.72	1707	1265.58+-	144.23	1761	1291.95+-	153.91	1816	1044.36+-	131.70
1871	1138.03+-	138.96	1925	1267.10+-	138.25	1979	895.11+-	125.52	2034	1003.63+-	120.82
2088	564.75+-	94.11	2142	668.38+-	100.81	2195	436.48+-	82.35	2249	669.49+-	95.64
2302	356.92+-	74.17	2356	445.37+-	81.22	2409	354.65+-	68.25	2462	337.11+-	75.22
2515	301.42+-	67.05	2568	241.24+-	55.34	2620	201.09+-	50.27	2673	149.36+-	43.12
2725	147.99+-	42.72	2777	171.16+-	45.74	2829	90.77+-	40.74	2881	120.30+-	38.04
2933	89.39+-	40.13	2984	59.28+-	26.51	3035	47.11+-	23.55	3087	23.40+-	16.55
3138	34.89+-	20.15	3189	11.56+-	11.56	3239	34.49+-	19.91	3290	28.42+-	28.68
3340	0.00+-	0.00	3390	0.00+-	0.00	3441	22.50+-	15.91	3490	22.38+-	15.83
3540	0.00+-	0.00	3590	11.07+-	11.07	3639	11.00+-	11.00	3689	10.93+-	10.93
4125	0.00+-	0.00	4173	0.00+-	0.00	4220	0.00+-	0.00	4268	9.65+-	9.65

25DEG RUNS 882 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
568	0.00+-	0.00	613	9598.24+-	1126.10	661	11162.17+-	1014.02	711	10291.56+-	947.22
764	6939.31+-	673.05	818	7169.31+-	630.95	872	6252.91+-	528.47	928	5518.42+-	489.44
983	3859.95+-	393.12	1039	4462.09+-	381.22	1095	3470.00+-	339.74	1151	3226.22+-	333.16
1207	3722.12+-	330.12	1263	2793.19+-	283.03	1318	2119.13+-	228.51	1374	2279.15+-	232.62
1430	1786.29+-	218.46	1485	1418.90+-	194.55	1540	1444.23+-	176.44	1596	1194.72+-	158.24
1651	1097.64+-	181.98	1706	635.01+-	133.20	1760	1029.06+-	157.76	1815	702.11+-	134.24
1870	501.23+-	117.52	1924	601.17+-	123.63	1979	482.39+-	113.10	2033	476.02+-	91.61
2087	554.77+-	98.07	2141	324.17+-	74.37	2195	218.45+-	60.59	2248	281.57+-	68.29
2302	441.08+-	84.89	2355	193.48+-	55.85	2408	127.39+-	45.04	2462	157.35+-	49.76
2514	58.55+-	84.43	2567	123.14+-	43.54	2620	106.66+-	40.31	2672	105.63+-	39.92
2725	74.76+-	33.43	2777	29.64+-	20.96	2829	0.00+-	0.00	2880	72.93+-	32.61
2932	57.91+-	28.95	2984	43.13+-	24.90	3035	28.56+-	20.19	3086	0.00+-	0.00
3137	14.10+-	14.10	3188	0.00+-	0.00	3239	13.94+-	13.94	3289	0.00+-	0.00
3340	13.79+-	13.79	3390	0.00+-	0.00	3440	13.64+-	13.64	3490	0.00+-	0.00
3737	13.17+-	13.17	3786	0.00+-	0.00	3835	0.00+-	0.00	3884	0.00+-	0.00

NE +PB TO D INCLUSIVE 0.80 GEV/A

30DEG RUNS 844 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
569	0.00+-	0.00	613	10028.55+-	1648.68	661	13421.27+-	1718.42	711	6220.38+-	1257.58
764	6806.63+-	1101.48	818	6796.45+-	951.69	873	5847.97+-	827.03	928	5618.74+-	764.61
984	4792.69+-	713.87	1039	3716.58+-	584.87	1095	2789.67+-	489.85	1151	2618.96+-	459.88
1207	2356.45+-	427.05	1263	1785.34+-	368.11	1318	1843.95+-	365.17	1374	1678.59+-	323.05
1430	960.98+-	240.25	1485	1114.02+-	296.88	1540	935.70+-	252.60	1596	1262.40+-	263.23
1651	779.30+-	226.99	1706	499.49+-	188.25	1761	866.28+-	210.10	1815	747.76+-	193.07
1870	585.92+-	169.14	1924	622.39+-	172.62	1979	328.94+-	124.33	2033	184.67+-	92.34
2087	317.79+-	120.11	2141	223.39+-	99.90	2195	69.38+-	98.65	2248	86.74+-	61.34
2302	0.00+-	0.00	2355	84.44+-	59.71	2408	125.09+-	72.22	2462	41.21+-	41.21
2514	81.48+-	57.62	2567	40.31+-	40.31	2620	0.00+-	0.00	2672	0.00+-	0.00

45DEG RUNS 866 867 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
570	0.00+-	0.00	614	8029.70+-	509.92	662	7460.85+-	426.50	712	7032.65+-	377.99
765	5954.18+-	327.53	818	5240.08+-	279.63	873	4319.67+-	238.09	928	3430.23+-	197.06
984	2798.25+-	173.66	1040	2750.04+-	162.55	1096	2168.27+-	137.40	1151	1728.20+-	124.56
1207	1424.65+-	108.62	1263	1074.78+-	88.65	1319	1011.74+-	85.78	1374	920.64+-	78.95
1430	745.16+-	69.79	1485	495.42+-	59.60	1541	488.18+-	52.46	1596	334.39+-	44.69
1651	331.76+-	43.94	1706	181.61+-	32.11	1761	183.85+-	34.35	1815	121.01+-	31.04
1870	90.31+-	21.90	1924	78.15+-	20.18	1979	61.28+-	17.69	2033	70.54+-	18.85
2087	4.93+-	4.93	2141	24.28+-	10.86	2195	.76+-	11.10	2248	14.14+-	8.16
2302	9.30+-	6.57	2355	0.00+-	0.00	2409	22.75+-	10.17	2462	0.00+-	0.00
2515	8.85+-	6.26	2567	0.00+-	0.00	2620	0.00+-	0.00	2672	0.00+-	0.00

60DEG RUNS 848 849 856

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
574	0.00+-	0.00	617	7627.66+-	288.57	664	6126.38+-	226.43	714	5427.33+-	193.10
766	4130.62+-	155.75	820	3476.47+-	128.91	874	2834.20+-	112.68	929	2049.95+-	87.37
985	1894.91+-	86.23	1041	1232.54+-	68.15	1096	1048.72+-	57.62	1152	866.87+-	47.82
1208	588.77+-	38.51	1264	478.21+-	33.92	1319	388.50+-	33.89	1375	260.12+-	24.06
1430	264.21+-	23.83	1486	134.23+-	16.79	1541	117.73+-	15.47	1596	42.92+-	9.15
1651	69.17+-	11.53	1706	39.91+-	15.45	1761	36.65+-	8.20	1816	21.05+-	6.08
1870	8.66+-	3.87	1925	8.37+-	3.75	1979	5.16+-	2.98	2033	6.57+-	3.29
2087	3.18+-	2.25	2141	3.13+-	2.21	2195	0.00+-	0.00	2249	0.00+-	0.00

NE +PB TO D INCLUSIVE 0.80 GEV/A

90DEG RUNS 955 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
574	0.00+-	0.00	617	3055.80+-	122.04	664	2511.95+-	99.61	714	1882.13+-	78.02
766	1256.90+-	58.99	820	840.85+-	44.76	874	581.71+-	35.08	929	410.88+-	27.70
985	271.96+-	21.43	1041	160.25+-	15.56	1096	119.54+-	12.89	1152	66.55+-	9.32
1208	51.01+-	7.97	1264	40.20+-	7.20	1319	13.73+-	3.96	1375	8.82+-	3.12
1430	5.32+-	2.38	1486	3.09+-	1.79	1541	5.00+-	2.24	1596	3.89+-	1.95
1651	.95+-	.95	1706	0.00+-	0.00	1761	0.00+-	0.00	1816	0.00+-	0.00

130DEG RUNS 939 941 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
595	0.00+-	0.00	635	639.68+-	24.11	679	415.11+-	17.65	727	251.70+-	12.31
777	144.10+-	8.53	829	74.80+-	5.71	882	39.30+-	3.88	936	20.01+-	2.61
991	11.63+-	1.89	1046	5.16+-	1.19	1102	2.56+-	.81	1157	.25+-	.25
1212	.24+-	.24	1268	.64+-	.37	1323	.41+-	.29	1378	0.00+-	0.00

INCLUSIVE INVARIANT CROSS-SECTIONS FOR TRITON PRODUCTION IN THE REACTIONS:

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C + C → T + X..... 135

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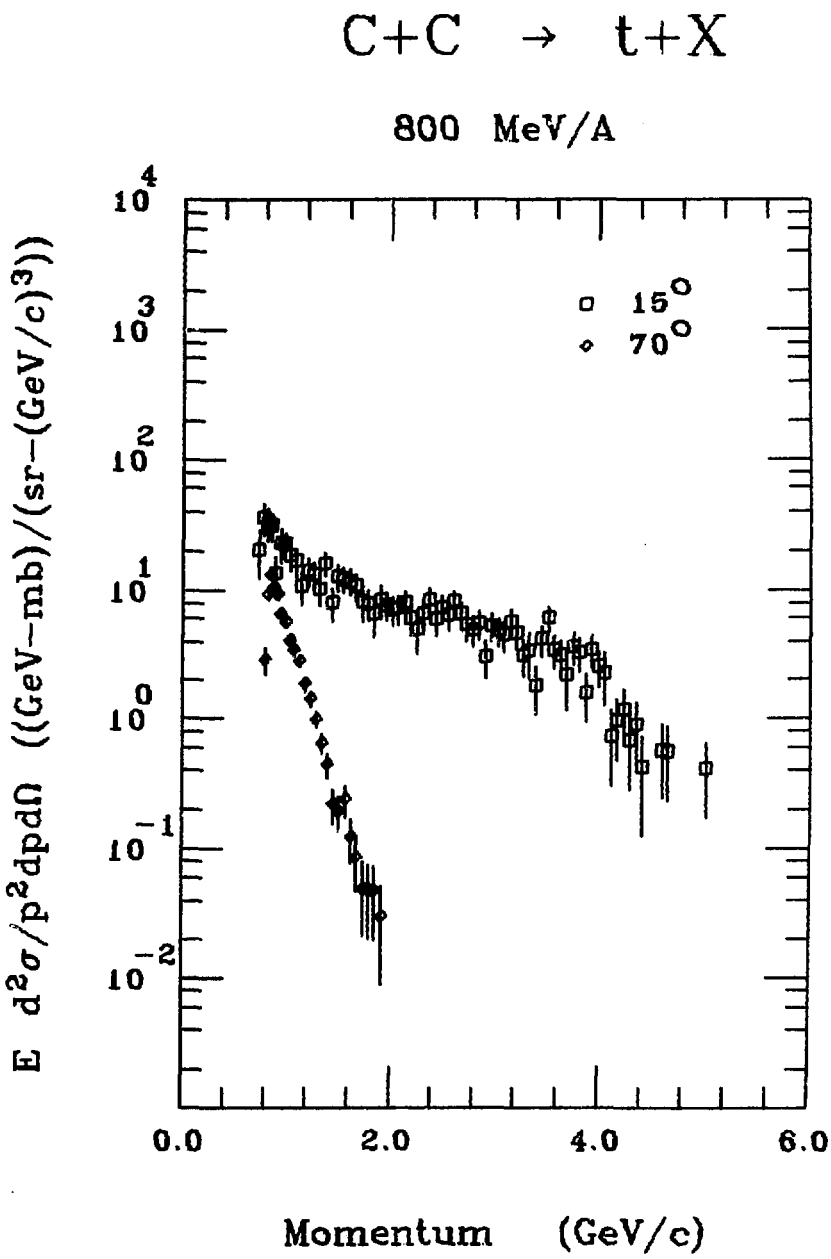
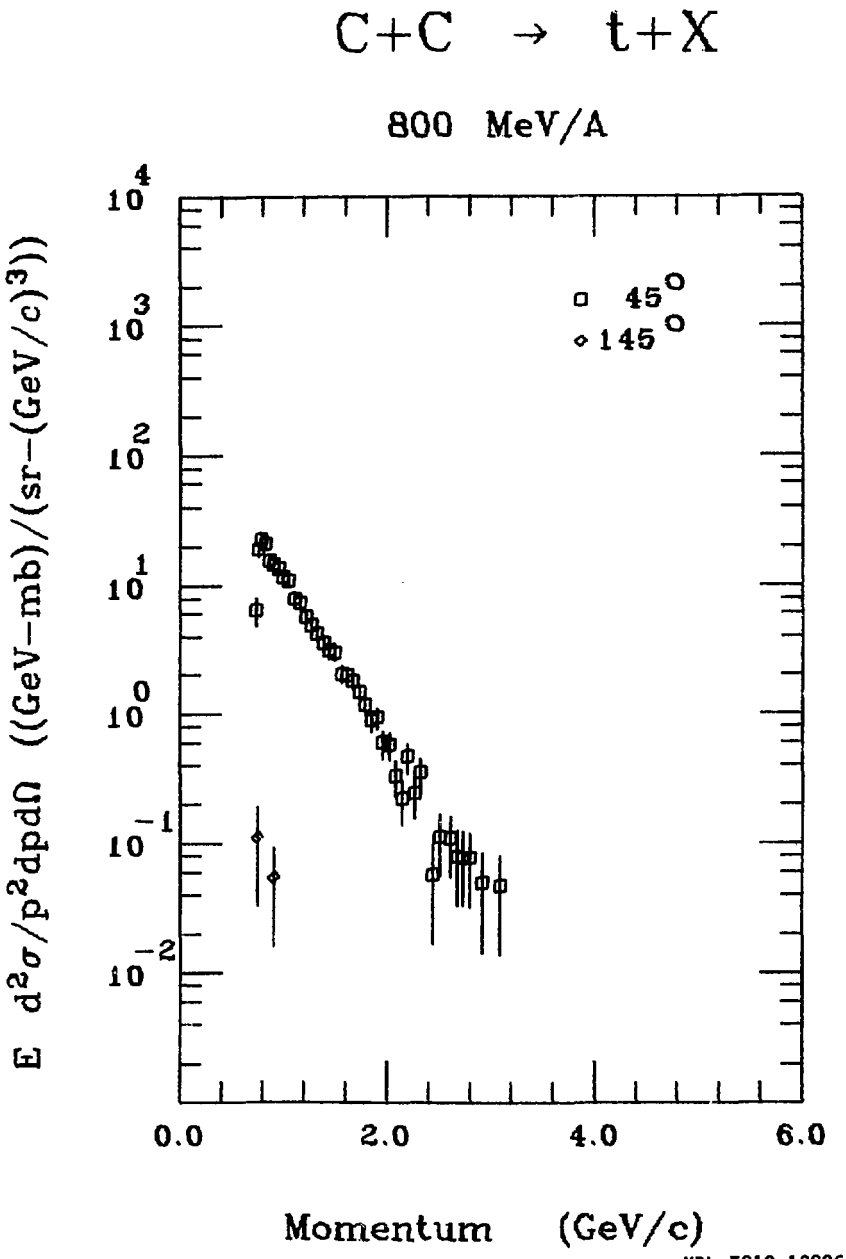


XBL 7812-13825



XBL 7812-13826

C + C TO T INCLUSIVE 0.80 GEV/A

15DEG RUNS 225 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
708	4.99+-	4.99	739	20.39+-	8.32	773	36.37+-	10.09	811	32.55+-	8.70
852	31.24+-	7.81	896	13.27+-	4.69	943	22.74+-	6.73	993	22.37+-	5.27
1044	18.45+-	4.47	1097	16.52+-	4.01	1151	10.55+-	3.05	1207	13.97+-	3.39
1263	13.12+-	3.18	1320	10.21+-	2.73	1377	15.91+-	3.32	1435	7.90+-	2.28
1494	12.59+-	2.81	1552	12.06+-	2.70	1611	11.59+-	2.59	1669	10.61+-	2.43
1728	8.05+-	2.48	1787	7.81+-	2.02	1846	6.52+-	2.21	1905	8.28+-	2.36
1964	7.59+-	1.90	2023	6.91+-	1.79	2083	7.17+-	1.79	2142	7.86+-	1.85
2201	5.96+-	1.59	2261	4.96+-	1.77	2320	6.49+-	1.62	2380	8.32+-	1.82
2439	5.81+-	1.50	2499	7.21+-	1.65	2558	6.32+-	1.53	2618	8.02+-	1.71
2677	6.43+-	1.52	2737	5.26+-	1.36	2797	4.83+-	1.29	2857	5.42+-	1.36
2916	3.00+-	1.00	2976	5.25+-	1.31	3036	4.85+-	1.25	3096	4.46+-	1.19
3155	5.65+-	1.33	3215	4.64+-	1.20	3275	3.05+-	.96	3335	3.29+-	1.25
3395	1.78+-	.73	3455	4.10+-	1.10	3515	6.07+-	1.33	3575	3.42+-	.99
3635	3.10+-	.93	3694	2.20+-	1.05	3754	3.55+-	.99	3814	3.23+-	.93
3874	1.59+-	.65	3934	3.38+-	.94	3994	2.56+-	.81	4054	2.24+-	.98
4114	.74+-	.42	4174	.96+-	.48	4234	1.17+-	.52	4294	.68+-	.39
4354	.88+-	.44	4414	.43+-	.30	4474	0.00+-	0.00	4534	.20+-	.20
4594	.58+-	.33	4654	.55+-	.32	4714	.18+-	.18	4774	0.00+-	0.00
4834	.16+-	.16	4894	0.00+-	0.00	4954	0.00+-	0.00	5014	.41+-	.24
5074	0.00+-	0.00	5134	0.00+-	0.00	5194	.11+-	.11	5254	.11+-	.11

45DEG RUNS 220 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
730	6.36+-	1.54	759	18.83+-	2.19	791	22.45+-	2.34	827	20.83+-	1.90
866	15.42+-	1.50	909	14.31+-	1.33	954	13.38+-	1.27	1002	11.42+-	1.03
1052	10.61+-	.93	1104	7.73+-	.74	1158	7.19+-	.68	1212	5.57+-	.58
1268	4.83+-	.52	1325	4.13+-	.47	1382	3.51+-	.42	1439	3.12+-	.44
1497	2.96+-	.37	1555	2.04+-	.30	1614	1.96+-	.29	1672	1.81+-	.27
1731	1.47+-	.24	1790	1.19+-	.21	1849	.89+-	.18	1908	.93+-	.18
1967	.59+-	.14	2026	.58+-	.14	2085	.33+-	.10	2144	.22+-	.09
2203	.47+-	.12	2262	.24+-	.09	2322	.36+-	.10	2381	.04+-	.13
2441	.06+-	.04	2500	.11+-	.06	2560	.03+-	.03	2619	.11+-	.05
2679	.08+-	.05	2738	.08+-	.04	2798	.08+-	.04	2858	0.00+-	0.00
2917	.05+-	.03	2977	0.00+-	0.00	3037	0.00+-	0.00	3097	.05+-	.03
3156	.02+-	.02	3216	0.00+-	0.00	3276	0.00+-	0.00	3336	0.00+-	0.00

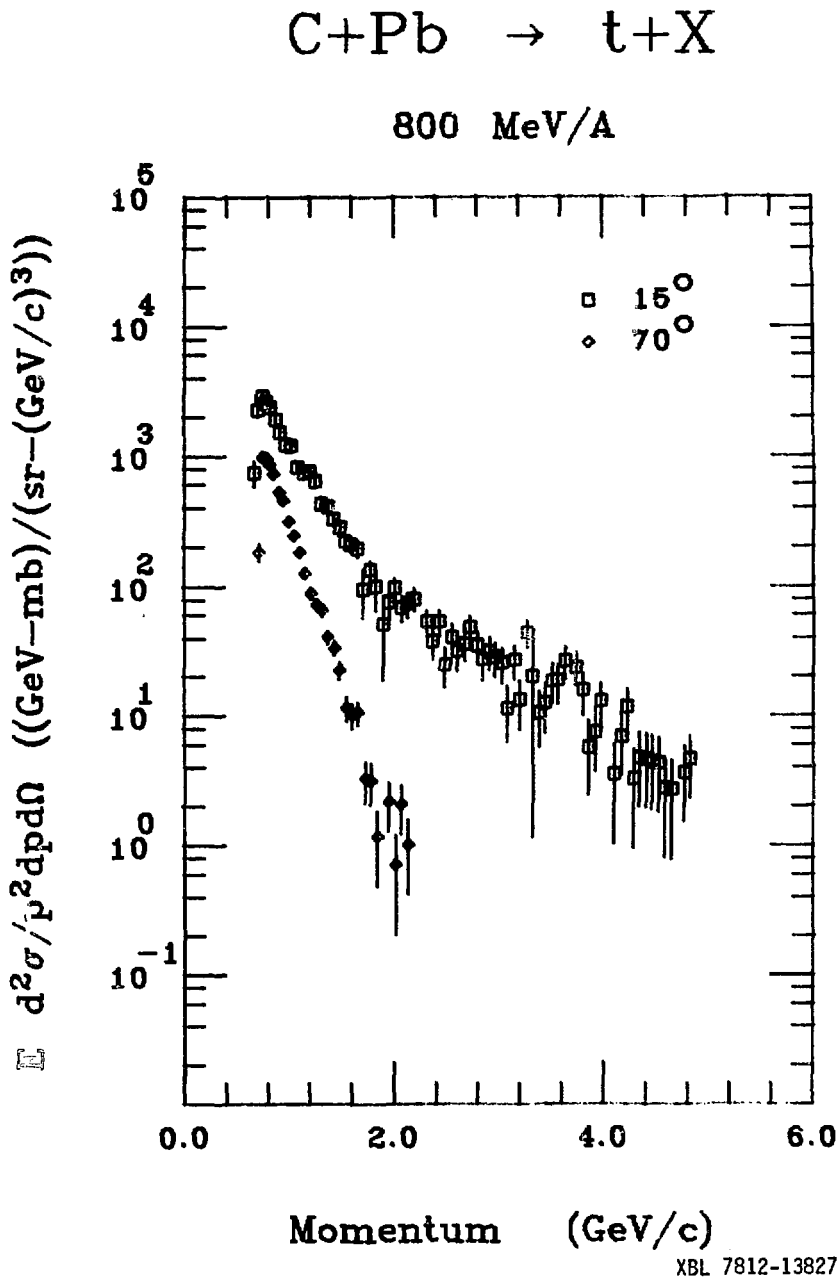
C + C TO T INCLUSIVE 0.80 GEV/A

70DEG RUNS 229 231

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
805	2.85+-	.69	828	9.29+-	1.03	854	12.90+-	1.19	883	10.30+-	.89
916	9.23+-	.83	953	6.42+-	.59	994	5.60+-	.51	1037	4.01+-	.40
1083	3.37+-	.34	1132	2.81+-	.29	1183	1.86+-	.23	1235	1.41+-	.19
1289	1.00+-	.15	1343	.65+-	.12	1399	.44+-	.10	1455	.22+-	.07
1512	.19+-	.06	1569	.24+-	.07	1627	.12+-	.05	1685	.09+-	.04
1743	.05+-	.03	1801	.05+-	.03	1859	.05+-	.03	1917	.03+-	.02
1976	.01+-	.01	2034	0.00+-	0.00	2093	0.00+-	0.00	2152	0.00+-	0.00

145DEG RUNS 252

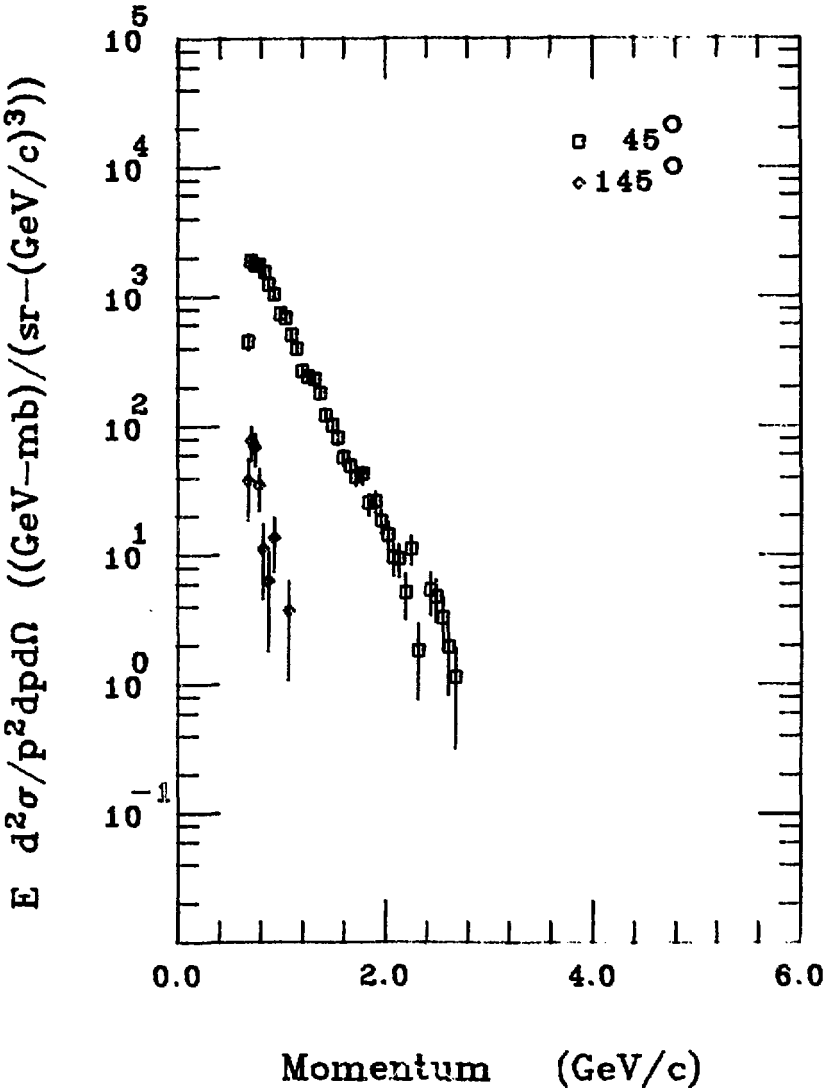
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
859	.03+-	.03	902	.05+-	.04	949	0.00+-	0.00	997	0.00+-	0.00



XBL 7812-13827

C+Pb → t+X

800 MeV/A



XBL 7812-13828

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C +PB TO T INCLUSIVE 0.80 GEV/A
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15DEG RUNS 226 227 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	0	0.00+-	0.00	636	54.38+-	54.44
668	737.76+-	160.99	703	2243.84+-	231.44	742	2856.13+-	237.19	784	2627.02+-	207.69
829	2367.06+-	181.02	876	1875.18+-	148.71	926	1499.82+-	149.04	977	1199.47+-	102.85
1030	1172.58+-	95.74	1085	813.01+-	75.49	1141	730.41+-	68.11	1197	747.64+-	66.61
1255	642.32+-	59.90	1312	432.39+-	47.75	1370	405.41+-	45.05	1429	324.27+-	39.32
1487	278.04+-	35.60	1546	218.59+-	30.91	1605	210.00+-	29.70	1664	194.11+-	28.02
1723	94.67+-	37.26	1783	131.96+-	22.31	1842	99.57+-	35.43	1901	50.46+-	31.88
1961	75.55+-	16.11	2020	96.81+-	17.98	2079	67.97+-	14.83	2139	72.72+-	15.16
2198	80.11+-	15.71	2258	15.96+-	25.56	2317	52.84+-	12.46	2377	37.29+-	10.34
2437	53.28+-	12.22	2496	24.70+-	8.23	2556	40.38+-	10.43	2616	31.69+-	9.15
2676	36.22+-	9.68	2735	48.19+-	11.06	2795	35.03+-	9.36	2855	26.97+-	8.13
2915	31.36+-	8.70	2974	28.52+-	8.23	3034	25.69+-	7.75	3094	11.46+-	5.13
3154	27.23+-	7.86	3214	13.44+-	5.49	3274	44.16+-	9.87	3334	20.21+-	19.03
3394	10.70+-	4.78	3454	12.73+-	5.20	3513	18.79+-	6.26	3573	18.64+-	6.21
3633	26.56+-	7.37	3693	0.00+-	0.00	3753	23.77+-	6.86	3813	15.61+-	5.52
3873	5.76+-	3.33	3933	7.56+-	3.78	3993	12.94+-	4.89	4053	0.00+-	0.00
4113	3.55+-	2.51	4173	6.96+-	3.48	4233	11.86+-	4.48	4293	3.30+-	2.33
4353	4.81+-	2.78	4413	4.68+-	2.70	4473	4.50+-	2.60	4533	4.32+-	2.50
4593	2.77+-	1.96	4653	2.69+-	1.90	4713	1.27+-	1.27	4773	3.68+-	2.12
4833	4.67+-	2.34	4893	1.11+-	1.11	4953	1.06+-	1.06	5013	.99+-	.99
5073	.94+-	.94	5133	.88+-	.88	5193	0.00+-	0.00	5253	0.00+-	0.00

45DEG RUNS 221 222 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
679	450.22+-	60.17	713	1914.72+-	103.98	750	1741.34+-	91.79	791	1736.63+-	81.93
835	1538.40+-	70.81	881	1238.98+-	58.41	930	1052.73+-	51.17	981	729.97+-	38.77
1034	679.39+-	35.33	1088	512.59+-	28.92	1144	397.89+-	24.11	1200	265.41+-	19.20
1257	242.21+-	17.75	1314	231.48+-	16.84	1372	181.49+-	14.59	1431	120.80+-	12.48
1489	100.42+-	10.28	1548	80.43+-	9.01	1607	57.07+-	7.54	1666	48.94+-	6.78
1725	40.63+-	6.10	1784	42.09+-	6.12	1843	25.03+-	4.67	1902	25.81+-	4.66
1962	18.42+-	3.87	2021	14.35+-	3.40	2080	9.72+-	2.72	2140	9.47+-	2.64
2199	5.19+-	1.97	2259	11.25+-	2.83	2318	1.84+-	1.07	2378	.70+-	2.92
2437	5.42+-	1.92	2497	4.80+-	1.71	2557	3.35+-	1.50	2616	1.97+-	1.14
2676	1.13+-	.81	2736	.63+-	.63	2796	.47+-	.47	2855	0.00+-	0.00
3154	.57+-	.57	3214	0.00+-	0.00	3274	0.00+-	0.00	3334	0.00+-	0.00

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C +PB TO T INCLUSIVE 0.80 GEV/A
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70DEG RUNS 230 231

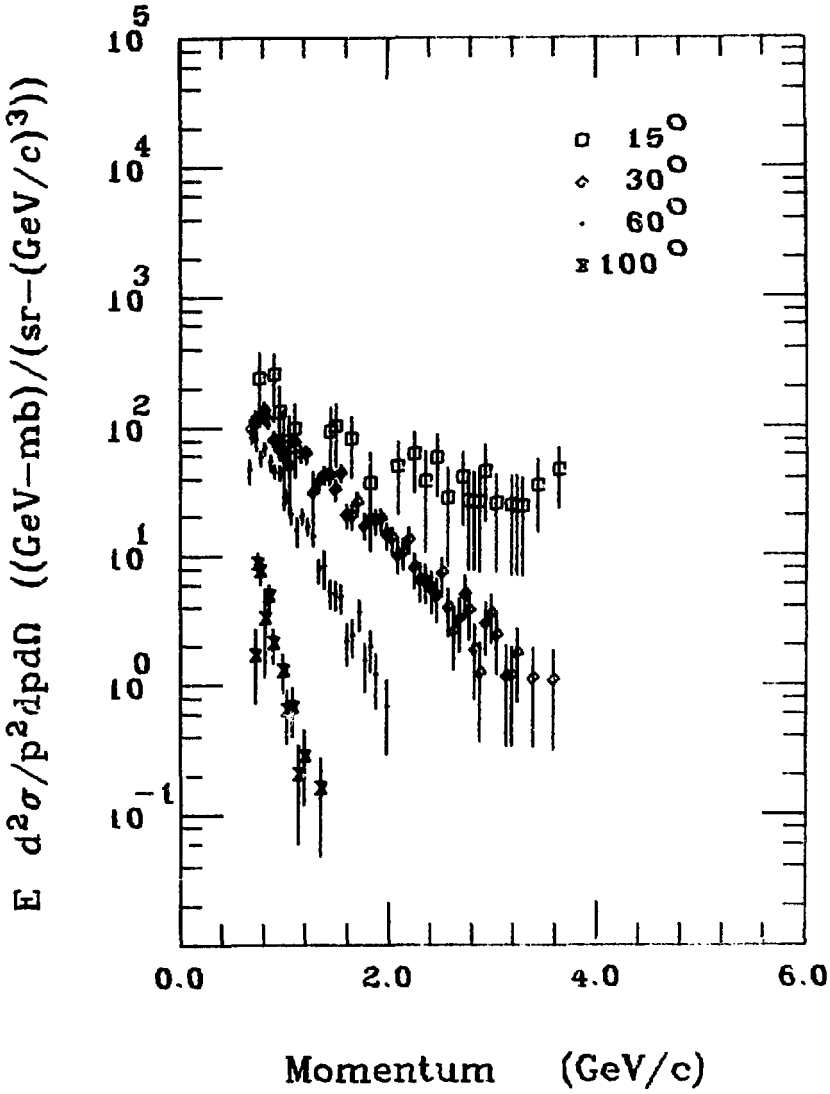
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
719	180.85+-	26.38	749	976.09+-	50.54	782	944.47+-	46.28	819	860.01+-	39.21
859	718.11+-	33.62	902	525.98+-	25.88	949	454.13+-	22.29	997	310.35+-	17.19
1048	243.01+-	14.20	1100	178.18+-	11.50	1154	123.64+-	9.11	1209	87.23+-	7.40
1266	71.92+-	6.51	1322	65.12+-	6.02	1380	40.12+-	4.60	1437	33.18+-	4.08
1495	22.58+-	3.29	1554	11.51+-	2.30	1612	10.18+-	2.12	1671	10.65+-	2.13
1730	3.29+-	1.16	1788	3.18+-	1.12	1847	1.15+-	.67	1906	.37+-	.37
1965	2.17+-	.89	2024	.70+-	.50	2084	2.05+-	.84	2143	1.00+-	.58
2440	.30+-	.30	2499	0.00+-	0.00	2559	0.00+-	0.00	2618	0.00+-	0.00

145DEG RUNS 253

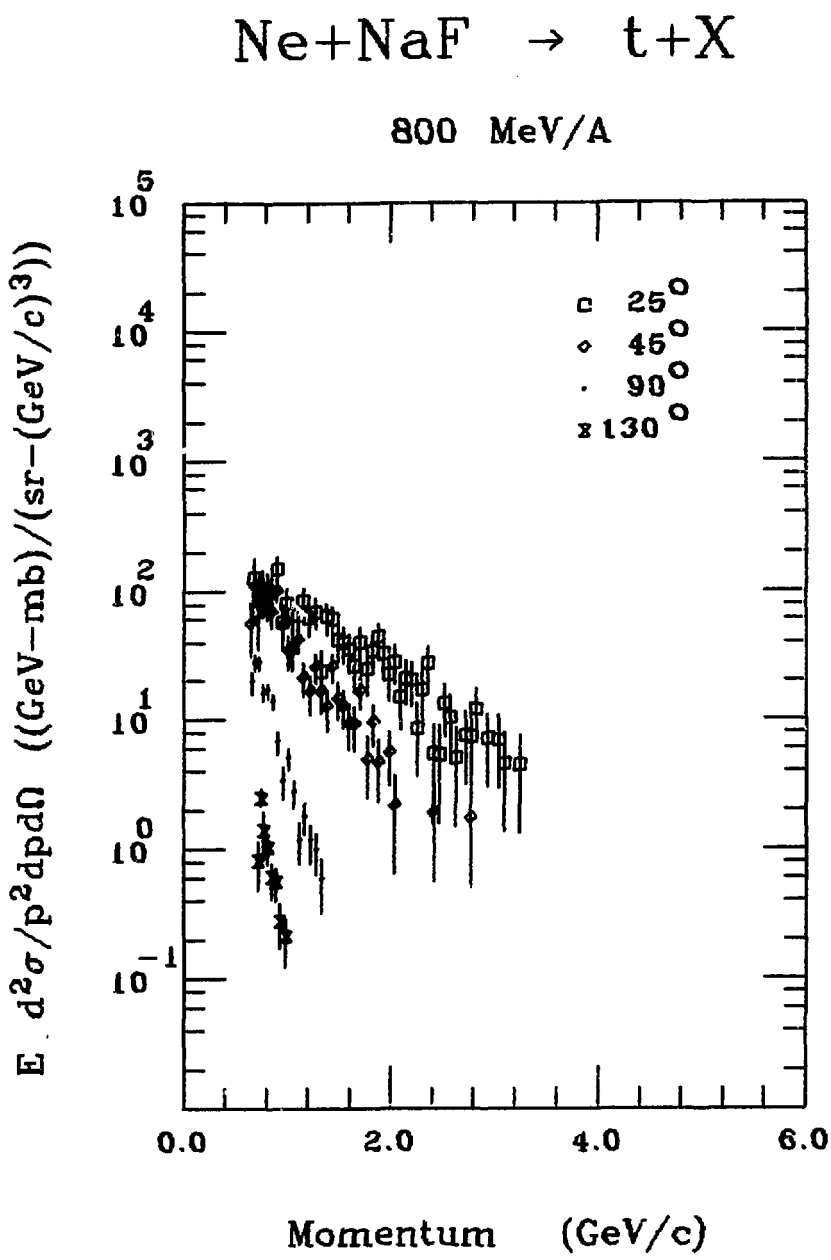
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
673	37.33+-	18.66	708	76.27+-	22.02	746	68.15+-	18.90	787	34.93+-	12.35
832	11.03+-	6.37	879	6.27+-	4.43	928	13.52+-	6.05	979	2.34+-	2.34

Ne+NaF → t+X

800 MeV/A



XBL 7812-13829



XBL 7812-13830

NE +NAF TO T INCLUSIVE 0.80 GEV/A

15DEG RUNS 961 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
649	0.00+-	0.00	685	57.37+-	127.24	724	94.68+-	94.68	766	238.39+-	137.64
810	67.43+-	67.43	856	57.89+-	57.89	905	251.41+-	112.43	955	131.49+-	75.91
1006	78.12+-	55.24	1058	70.32+-	49.73	1111	95.90+-	55.37	1165	14.94+-	33.15
1438	92.80+-	46.40	1493	100.49+-	51.11	1548	0.00+-	0.00	1603	0.00+-	0.00
1658	80.56+-	40.28	1712	9.83+-	21.81	1767	0.00+-	0.00	1821	36.94+-	26.12
2092	49.19+-	28.40	2145	16.06+-	16.06	2199	0.00+-	0.00	2252	61.77+-	30.39
2306	15.16+-	15.16	2359	37.29+-	26.84	2412	0.00+-	0.00	2464	57.65+-	28.82
2727	40.26+-	23.25	2779	26.51+-	18.75	2830	26.20+-	18.52	2882	25.90+-	18.31
2934	44.88+-	26.40	2985	12.68+-	12.68	3036	25.10+-	17.75	3087	0.00+-	0.00
3138	0.00+-	0.00	3189	24.42+-	17.27	3240	24.21+-	17.12	3290	24.01+-	16.98
3540	0.00+-	0.00	3590	0.00+-	0.00	3639	45.41+-	22.70	3689	11.26+-	11.26
3738	0.00+-	0.00	3787	0.00+-	0.00	3835	10.95+-	10.95	3884	10.84+-	10.84

25DEG RUNS 881 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
650	0.00+-	0.00	686	126.65+-	51.70	725	70.14+-	35.07	767	103.02+-	38.94
811	99.91+-	35.32	857	96.48+-	32.16	905	148.96+-	37.24	955	56.79+-	21.47
1006	79.54+-	23.98	1059	65.09+-	20.58	1112	65.09+-	19.62	1165	82.43+-	21.28
1220	62.23+-	17.97	1274	68.85+-	18.40	1329	23.42+-	10.47	1384	62.68+-	16.75
1438	60.12+-	16.07	1493	41.30+-	13.06	1548	39.83+-	12.59	1603	34.64+-	11.55
1658	26.09+-	9.86	1712	39.78+-	11.99	1767	24.59+-	9.30	1821	34.19+-	10.81
1876	43.30+-	12.01	1930	32.49+-	10.27	1984	22.21+-	8.39	2038	27.92+-	9.31
2092	15.18+-	6.79	2145	20.81+-	7.86	2199	20.40+-	7.71	2252	8.57+-	4.95
2306	16.84+-	6.87	2359	27.57+-	8.72	2412	5.42+-	3.83	2465	5.33+-	3.77
2517	13.13+-	5.87	2570	10.35+-	5.18	2622	5.10+-	3.61	2675	2.52+-	2.52
2727	7.45+-	4.30	2779	7.36+-	4.25	2830	12.12+-	5.42	2882	0.00+-	0.00
2934	7.11+-	4.11	2985	2.35+-	2.35	3036	6.97+-	4.02	3087	4.60+-	3.25
3540	0.00+-	0.00	3590	2.12+-	2.12	3639	0.00+-	0.00	3689	2.08+-	2.08
3738	2.07+-	2.07	3787	0.00+-	0.00	3835	0.00+-	0.00	3884	0.00+-	0.00

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NE +NAF TO T INCLUSIVE 0.80 GEV/A
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30DEG RUNS 880 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
651	8.07+-	8.07	687	97.34+-	22.94	726	112.31+-	22.46	767	120.65+-	21.33
811	134.36+-	20.73	857	109.84+-	17.37	906	78.69+-	13.70	955	66.49+-	11.75
1007	59.26+-	10.48	1059	50.00+-	9.13	1112	75.76+-	10.71	1166	61.92+-	9.33
1220	61.09+-	9.01	1274	30.83+-	14.05	1329	37.18+-	6.68	1384	42.42+-	6.97
1439	41.78+-	6.78	1493	32.78+-	5.89	1548	43.85+-	6.69	1603	20.70+-	4.52
1658	20.04+-	4.37	1713	25.93+-	4.90	1767	17.09+-	3.92	1821	19.26+-	4.11
1876	18.76+-	4.00	1930	19.14+-	3.99	1984	14.62+-	3.45	2038	13.50+-	3.27
2092	10.10+-	2.80	2145	10.66+-	2.85	2199	13.43+-	3.17	2252	8.05+-	2.43
2306	6.47+-	2.16	2359	6.35+-	2.12	2412	5.55+-	1.96	2465	4.78+-	1.81
2517	7.40+-	2.23	2570	3.98+-	1.62	2622	2.61+-	1.31	2675	3.22+-	1.44
2727	5.09+-	1.80	2779	3.77+-	1.54	2831	1.86+-	1.08	2882	1.23+-	.87
2934	3.04+-	1.36	2985	3.60+-	1.47	3036	2.38+-	1.19	3087	.59+-	.59
3138	1.17+-	.83	3189	1.16+-	.82	3240	1.72+-	.99	3290	.57+-	.57

45DEG RUNS 872 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
655	55.62+-	24.87	691	109.55+-	31.32	729	92.82+-	23.97	770	103.84+-	23.22
813	79.28+-	18.69	859	68.03+-	16.03	907	98.43+-	17.97	957	54.27+-	12.45
1008	34.89+-	10.39	1060	33.69+-	9.63	1113	41.65+-	9.31	1166	21.27+-	6.41
1221	16.42+-	5.47	1275	25.95+-	6.70	1330	16.48+-	5.21	1384	12.60+-	4.45
1439	25.68+-	6.23	1494	14.53+-	4.59	1549	12.61+-	4.20	1604	9.48+-	3.58
1658	9.18+-	3.47	1713	16.54+-	4.59	1767	4.94+-	2.47	1822	9.62+-	3.40
1876	4.69+-	2.34	1930	0.00+-	0.00	1984	5.58+-	2.50	2038	2.18+-	1.54
2306	0.00+-	0.00	2359	0.00+-	0.00	2412	1.91+-	1.35	2465	.94+-	.94

60DEG RUNS 852 891 856 886

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
664	45.80+-	10.24	699	84.06+-	11.34	736	78.80+-	13.09	776	57.48+-	7.82
819	67.58+-	7.80	864	52.63+-	8.20	911	45.14+-	5.51	960	43.85+-	5.06
1011	28.68+-	3.87	1063	20.60+-	3.11	1115	15.68+-	3.83	1169	20.19+-	2.83
1222	16.77+-	2.50	1277	13.81+-	2.21	1331	7.72+-	1.61	[illegible]	8.27+-	2.68
1440	5.25+-	1.27	1495	5.05+-	1.23	1550	4.85+-	1.18	1605	2.19+-	.77
1659	2.41+-	.80	1714	3.64+-	.97	1768	1.52+-	.62	182[illegible]	1.97+-	.70
1877	1.20+-	.54	1931	.23+-	.23	1985	.69+-	.40	2039	.20+-	.20

NE +NAF TO T INCLUSIVE 0.80 GEV/A

90DEG RUNS 951 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
664	19.78+-	3.96	699	28.05+-	4.08	736	27.73+-	3.49	776	16.24+-	2.45
819	16.90+-	2.30	864	13.95+-	1.94	911	6.75+-	1.25	960	3.43+-	.98
1011	5.05+-	.95	1063	2.76+-	.67	1115	1.18+-	.42	1169	1.78+-	.49
1222	1.16+-	.39	1277	.98+-	.35	1331	.58+-	.26	1386	.11+-	.11
1440	.11+-	.11	1495	0.00+-	0.00	1550	.10+-	.10	1605	0.00+-	0.00

100DEG RUNS 928 933

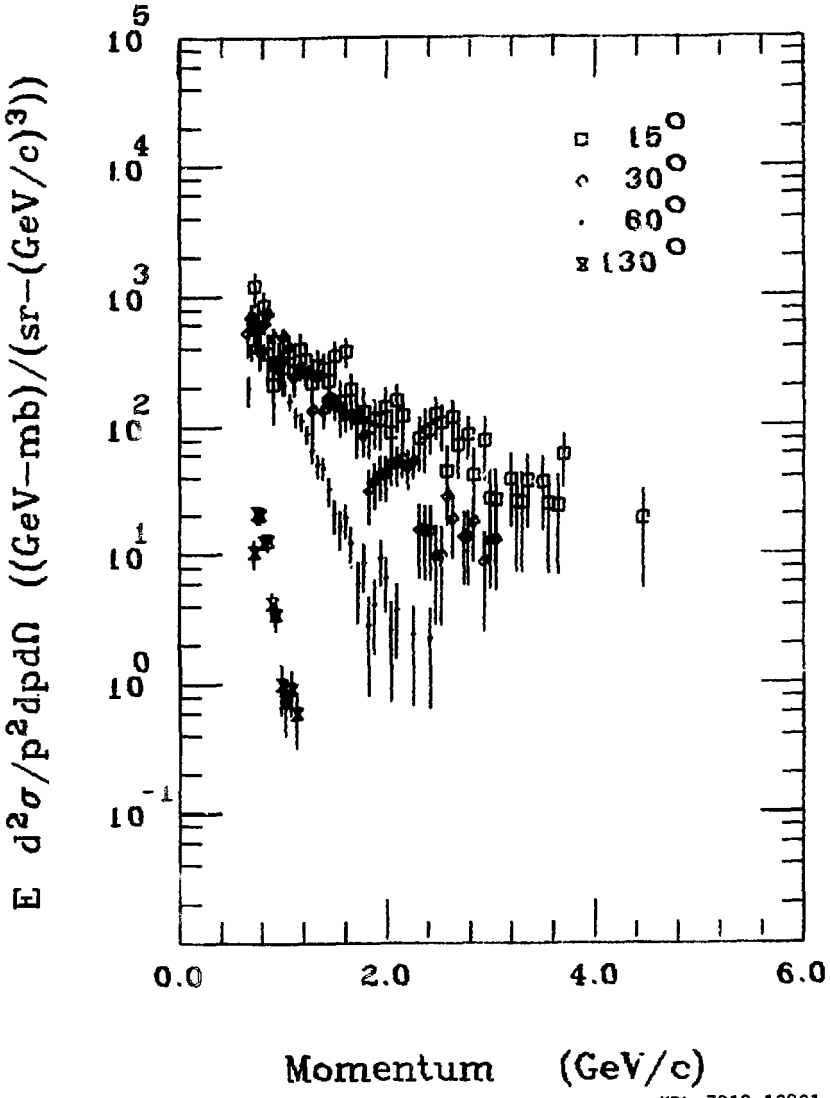
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
716	1.72+-	.99	745	8.80+-	1.83	777	7.61+-	1.55	812	3.27+-	2.10
851	4.92+-	1.05	892	2.10+-	.63	935	1.05+-	1.25	981	1.30+-	.43
1029	.64+-	.29	1079	.68+-	.28	1130	.21+-	.15	1182	.29+-	.16
1230	.09+-	.09	1287	.09+-	.09	1341	.16+-	.11	1395	0.00+-	0.00
1449	.07+-	.07	1503	0.00+-	0.00	1557	0.00+-	0.00	1612	0.00+-	0.00

130DEG RUNS 938 947 948

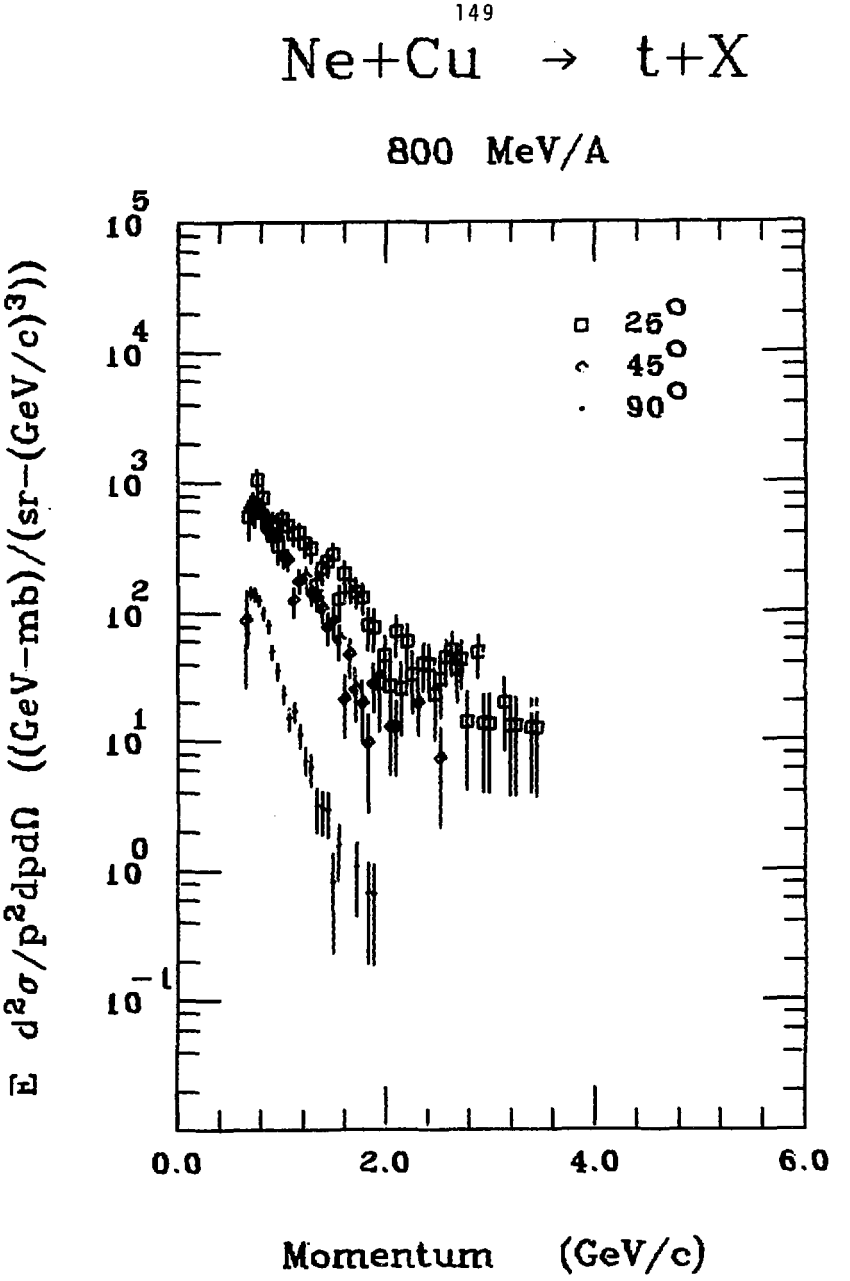
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
716	.81+-	.33	745	2.47+-	.47	777	1.40+-	.57	812	1.02+-	.26
851	.59+-	.18	892	.55+-	.16	935	.28+-	.10	981	.21+-	.09

Ne+Cu → t+X

800 MeV/A



XBL 7812-13831



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NE +CU TO T INCLUSIVE 0.80 GEV/A

15DEG RUNS 960 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
649	176.53+-	176.53	685	201.93+-	255.45	724	1178.57+-	340.22	766	577.02+-	218.09
810	839.44+-	242.33	856	360.32+-	147.10	905	208.64+-	104.32	955	318.27+-	120.29
1006	283.65+-	107.21	1058	364.76+-	115.35	1111	265.29+-	93.79	1165	391.38+-	121.91
1219	319.73+-	96.40	1274	212.47+-	90.04	1329	288.76+-	87.07	1383	276.04+-	83.23
1438	216.61+-	72.20	1493	340.48+-	97.31	1548	149.74+-	69.41	1603	366.76+-	88.95
1658	188.03+-	62.68	1712	115.69+-	59.67	1767	126.35+-	69.17	1821	95.81+-	42.85
1876	112.02+-	45.73	1930	109.27+-	44.61	1984	137.08+-	58.09	2038	86.92+-	38.87
2092	153.10+-	51.03	2145	116.62+-	44.08	2199	23.13+-	44.24	2252	16.02+-	16.02
2306	78.64+-	35.17	2359	88.21+-	45.50	2412	91.17+-	37.22	2464	119.61+-	42.29
2517	103.04+-	38.95	2570	43.51+-	25.12	2622	114.39+-	40.44	2674	70.53+-	31.54
2934	75.85+-	39.13	2985	26.30+-	18.60	3036	26.04+-	18.41	3087	12.90+-	12.90
3138	21.83+-	27.61	3189	38.00+-	21.94	3240	25.12+-	17.76	3290	24.91+-	17.61
3341	37.06+-	21.40	3391	0.00+-	0.00	3441	12.16+-	12.16	3491	36.19+-	20.89
3540	23.94+-	16.93	3590	0.00+-	0.00	3639	23.55+-	16.65	3689	58.39+-	26.11
3738	11.58+-	11.58	3787	11.47+-	11.47	3835	11.36+-	11.36	3884	0.00+-	0.00
3933	11.13+-	11.13	3981	11.00+-	11.00	4029	0.00+-	0.00	4077	0.00+-	0.00
4315	0.00+-	0.00	4362	9.70+-	9.70	4408	9.50+-	9.50	4455	18.57+-	13.13
4502	9.07+-	9.07	4548	0.00+-	0.00	4594	0.00+-	0.00	4640	0.00+-	0.00

25DEG RUNS 883 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
650	70.61+-	253.50	686	543.16+-	181.05	725	651.79+-	180.77	767	1051.96+-	210.39
811	749.84+-	163.63	857	490.41+-	122.60	905	479.16+-	112.94	955	324.78+-	86.80
1006	516.88+-	103.38	1059	465.26+-	93.05	1112	406.04+-	82.88	1165	408.52+-	80.12
1220	341.06+-	71.12	1274	309.37+-	65.96	1329	160.70+-	46.39	1384	217.63+-	52.78
1438	245.55+-	54.91	1493	283.42+-	57.85	1548	125.26+-	37.77	1603	198.10+-	46.69
1658	159.87+-	41.28	1712	144.75+-	38.69	1767	130.60+-	36.22	1821	78.20+-	27.65
1876	76.19+-	26.94	1930	27.87+-	16.09	1984	45.36+-	20.29	2038	26.61+-	15.36
2092	69.42+-	24.55	2145	25.50+-	14.72	2199	58.32+-	22.04	2252	32.69+-	16.35
2306	8.02+-	8.02	2359	39.42+-	17.63	2412	38.76+-	17.33	2465	22.88+-	13.21
2517	30.04+-	15.02	2570	44.39+-	18.12	2622	51.06+-	19.30	2675	35.98+-	16.09
2727	42.62+-	17.40	2779	14.03+-	9.92	2830	0.00+-	0.00	2882	47.97+-	18.13
2934	13.56+-	9.59	2985	13.42+-	9.49	3036	0.00+-	0.00	3087	6.58+-	6.58
3138	19.56+-	11.29	3189	12.92+-	9.14	3240	12.81+-	9.06	3290	6.35+-	6.35
3738	0.00+-	0.00	3787	0.00+-	0.00	3835	0.00+-	0.00	3884	5.74+-	5.74

NE +CU TO T INCLUSIVE 0.80 GEV/A

30DEG RUNS 879 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
651	514.99+-	171.66	687	689.78+-	162.58	726	573.03+-	135.06	767	374.04+-	99.97
811	612.09+-	117.80	857	719.97+-	118.36	906	473.16+-	89.42	955	309.22+-	67.48
1007	485.53+-	79.82	1059	401.60+-	68.87	1112	236.23+-	50.36	1166	279.21+-	52.77
1220	254.09+-	48.90	1274	128.52+-	49.65	1329	237.97+-	44.97	1384	129.99+-	32.50
1439	163.63+-	35.71	1493	142.39+-	32.67	1548	137.31+-	31.50	1603	118.74+-	28.80
1658	121.75+-	28.70	1712	111.54+-	27.05	1767	82.88+-	22.99	1821	31.02+-	13.87
1876	36.26+-	14.81	1930	41.27+-	15.60	1984	40.30+-	15.23	2038	50.66+-	16.89
2092	49.57+-	16.52	2145	53.94+-	17.06	2199	47.58+-	15.86	2252	51.87+-	16.40
2306	15.28+-	8.82	2359	15.01+-	8.67	2412	14.76+-	8.52	2465	9.68+-	6.85
2517	9.53+-	6.74	2570	28.17+-	11.50	2622	18.52+-	9.26	2675	4.57+-	4.57
2727	13.52+-	7.81	2779	13.36+-	7.71	2830	17.60+-	8.80	2882	4.35+-	4.35
2934	8.60+-	6.08	2985	12.77+-	7.37	3036	12.65+-	7.30	3087	4.18+-	4.18
3341	4.00+-	4.00	3391	0.00+-	0.00	3441	3.94+-	3.94	3491	0.00+-	0.00
4315	3.20+-	3.20	4362	0.00+-	0.00	4408	0.00+-	0.00	4455	0.00+-	0.00

45DEG RUNS 871 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
655	88.11+-	62.30	690	654.00+-	143.62	729	563.69+-	117.54	770	637.49+-	114.50
813	575.67+-	100.21	859	434.10+-	80.61	907	376.87+-	69.98	957	373.36+-	64.99
1008	273.89+-	54.01	1060	255.58+-	49.45	1113	123.72+-	31.94	1166	176.15+-	36.73
1221	187.91+-	36.85	1275	143.91+-	31.40	1330	130.52+-	29.19	1384	106.05+-	25.72
1439	77.77+-	21.57	1494	86.32+-	22.29	1549	61.04+-	18.40	1604	21.45+-	10.73
1658	46.74+-	15.58	1713	25.19+-	11.27	1767	19.58+-	9.79	1822	9.53+-	6.74
1876	27.85+-	11.37	1930	31.69+-	11.98	1984	4.42+-	4.42	2038	12.97+-	7.49
2092	12.69+-	7.32	2146	4.83+-	6.80	2199	4.06+-	4.06	2253	0.00+-	0.00
2306	19.55+-	8.74	2359	3.84+-	3.84	2412	3.78+-	3.78	2465	0.00+-	0.00
2517	7.32+-	5.18	2570	0.00+-	0.00	2622	0.00+-	0.00	2675	3.51+-	3.51
2934	3.30+-	3.30	2985	0.00+-	0.00	3037	0.00+-	0.00	3088	0.00+-	0.00

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NE +CU TO T INCLUSIVE 0.80 GEV/A
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60DEG RUNS 856 886 854

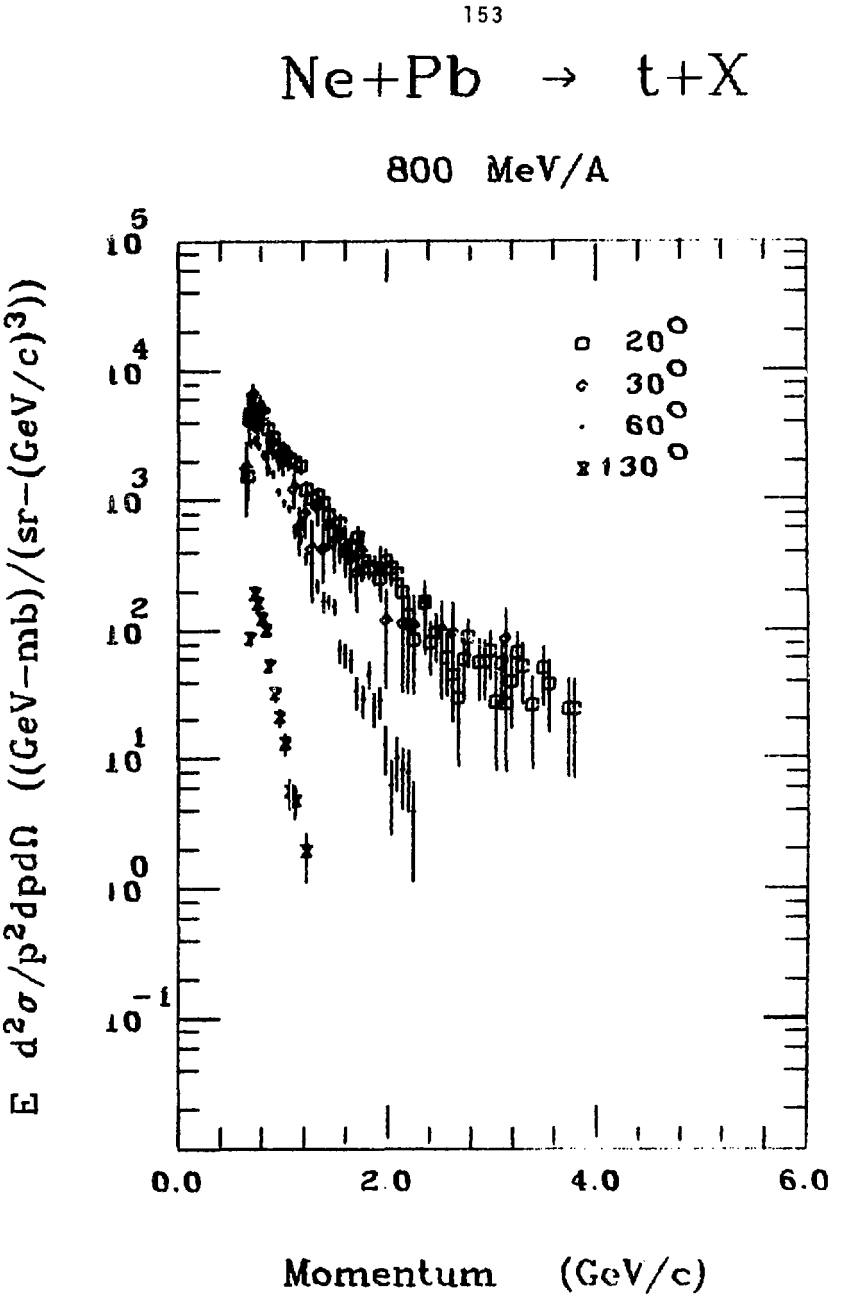
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
664	192.97+-	49.83	698	370.50+-	56.50	736	438.99+-	60.30	776	534.10+-	56.61
819	381.57+-	44.06	864	306.91+-	39.03	911	253.58+-	30.98	960	217.05+-	26.72
1011	199.24+-	24.16	1063	152.91+-	20.08	1115	118.23+-	18.41	1169	106.76+-	15.41
1222	86.03+-	13.44	1277	63.66+-	11.25	1331	49.25+-	9.66	1386	45.90+-	10.72
1440	31.25+-	7.37	1495	20.04+-	5.79	1550	16.10+-	5.09	1605	18.68+-	5.39
1659	12.06+-	4.26	1714	5.85+-	2.92	1768	8.52+-	3.48	1823	2.77+-	1.96
1877	4.04+-	2.33	1931	9.20+-	3.48	1985	6.42+-	2.87	2039	2.51+-	1.77
2093	3.68+-	2.13	2146	0.00+-	0.00	2200	1.18+-	1.18	2253	2.31+-	1.63

90DEG RUNS 952 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
664	67.64+-	14.42	698	139.34+-	17.32	736	138.52+-	15.37	776	124.78+-	13.38
819	98.49+-	10.94	864	79.24+-	9.09	911	49.75+-	6.71	960	35.11+-	5.43
1011	23.11+-	4 02	1063	15.12+-	3.09	1115	17.18+-	3.14	1169	11.16+-	2.44
1222	7.02+-	1 88	1277	6.18+-	1.71	1331	3.17+-	1.20	1386	3.03+-	1.14
1440	2.90+-	1.10	1495	.80+-	.56	1550	1.54+-	.77	1605	.37+-	.37
1659	0.00+-	0.00	1714	1.05+-	.61	1768	0.00+-	0.00	1823	.66+-	.47
1877	.64+-	.46	1931	0.00+-	0.00	1985	0.00+-	0.00	2039	0.00+-	0.00

130DEG RUNS 942 947

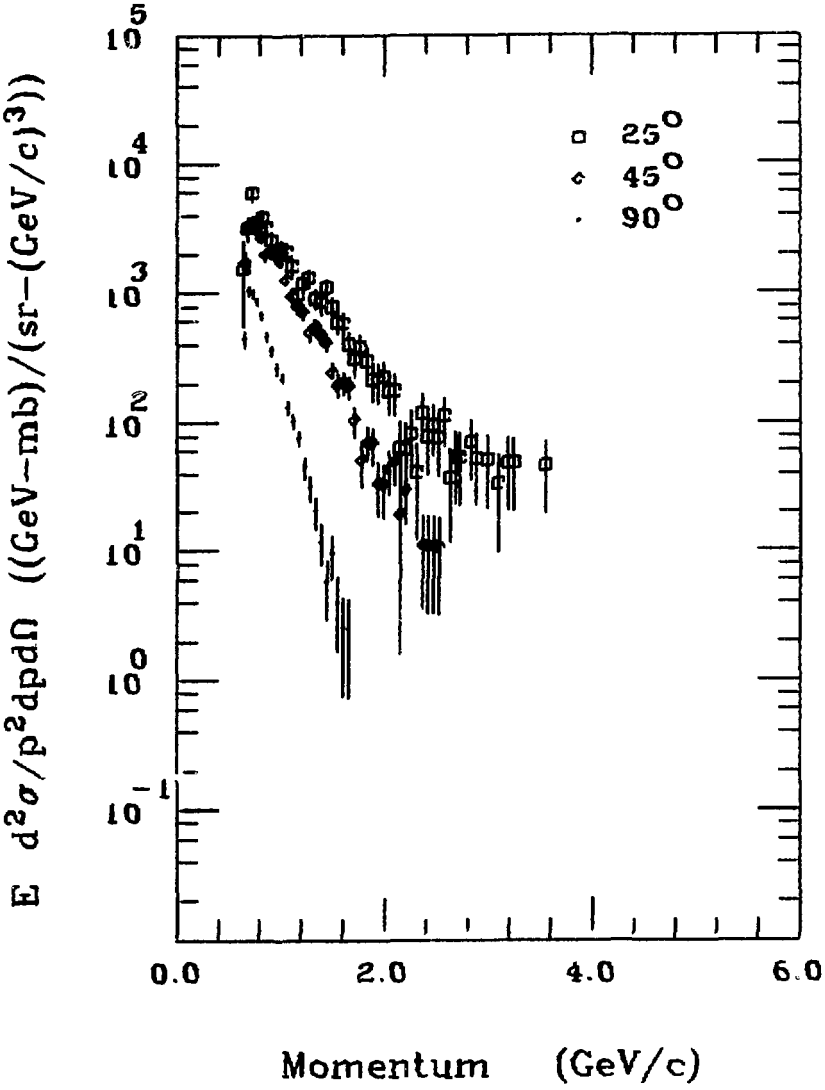
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
716	10.47+-	2.62	745	20.57+-	3.00	777	20.34+-	2.98	812	12.43+-	1.94
850	12.54+-	1.79	892	4.15+-	.95	935	3.40+-	.80	981	.99+-	.40
1029	.73+-	.33	1079	.91+-	.34	1130	.59+-	.26	1181	.11+-	.11
1234	.10+-	.10	1287	0.00+-	0.00	1341	0.00+-	0.00	1395	0.00+-	0.00



XBL 7812-13833

Ne+Pb → t+X

800 MeV/A



XBL 7812-13834

NE +PB TO T INCLUSIVE 0.80 GEV/A

20DEG RUNS 827 826

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
666	1499.23+-	530.06	700	4643.99+-	763.47	737	5732.66+-	772.99	777	4982.31+-	659.92
820	4668.06+-	588.12	865	3557.68+-	475.41	912	3031.02+-	408.70	961	2489.29+-	345.20
1011	2153.16+-	314.25	1063	2033.79+-	279.36	1116	1917.81+-	258.60	1169	1612.75+-	242.24
1223	1191.05+-	190.72	1277	1013.37+-	171.29	1331	1075.17+-	172.16	1386	935.05+-	165.17
1441	758.08+-	138.41	1495	558.99+-	116.56	1550	656.21+-	124.01	1605	407.70+-	96.10
1660	438.69+-	98.09	1714	510.71+-	104.25	1769	330.83+-	82.71	1823	301.80+-	77.92
1877	294.05+-	75.92	1931	248.60+-	68.95	1985	336.15+-	79.23	2039	292.10+-	73.02
2093	267.96+-	69.19	2146	192.45+-	58.03	2200	128.38+-	57.63	2253	84.12+-	37.62
2306	41.06+-	41.43	2360	162.29+-	51.32	2413	79.78+-	35.68	2465	94.20+-	38.46
2518	15.46+-	15.46	2571	60.92+-	30.46	2623	45.04+-	26.01	2675	29.62+-	20.95
2727	58.48+-	29.24	2779	86.63+-	35.37	2831	21.20+-	32.82	2883	56.42+-	28.21
2934	55.81+-	27.91	2986	69.04+-	30.88	3037	27.34+-	19.33	3088	54.17+-	27.08
3139	26.83+-	18.98	3190	39.90+-	23.03	3240	65.93+-	29.48	3291	52.30+-	26.15
3341	12.97+-	12.97	3391	25.73+-	18.20	3441	12.76+-	12.76	3491	50.66+-	25.33
3541	37.69+-	21.76	3590	0.00+-	0.00	3640	12.36+-	12.36	3689	0.00+-	0.00
3738	24.31+-	17.19	3787	24.08+-	17.03	3836	0.00+-	0.00	3884	11.81+-	11.81
3933	11.68+-	11.68	3981	0.00+-	0.00	4029	0.00+-	0.00	4077	0.00+-	0.00
4125	11.10+-	11.10	4173	0.00+-	0.00	4220	0.00+-	0.00	4268	0.00+-	0.00
4315	0.00+-	0.00	4362	0.00+-	0.00	4409	0.00+-	0.00	4456	9.75+-	9.75
4502	0.00+-	.00	4548	0.00+-	0.00	4595	0.00+-	0.00	4641	8.80+-	8.80
5048	0.00+-	0.00	5093	0.00+-	0.00	5137	5.97+-	5.97	5181	5.73+-	5.73

25DEG RUNS 882 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
646	1543.12+-	995.85	683	3153.33+-	688.11	722	5863.51+-	855.28	764	3455.84+-	601.58
808	3822.18+-	582.88	855	3205.64+-	494.64	903	2555.95+-	409.28	953	2139.90+-	351.80
1005	2216.58+-	338.02	1057	2088.29+-	311.30	1111	1645.50+-	263.49	1164	979.72+-	195.94
1219	1183.62+-	209.24	1273	1297.90+-	213.37	1328	902.03+-	173.60	1383	830.36+-	162.85
1438	1102.70+-	183.78	1493	766.02+-	150.23	1548	596.62+-	130.19	1603	576.61+-	125.83
1657	398.84+-	102.98	1712	309.53+-	89.35	1767	375.94+-	97.07	1821	292.64+-	84.48
1875	213.84+-	71.28	1930	208.59+-	69.53	1984	226.34+-	71.57	2038	177.00+-	62.58
2091	173.19+-	61.23	2145	63.61+-	36.72	2199	62.35+-	36.00	2252	81.56+-	40.78
2305	40.03+-	28.31	2358	118.01+-	48.18	2411	77.35+-	38.68	2464	95.14+-	42.55
2517	74.94+-	37.47	2570	110.75+-	45.21	2622	36.39+-	25.73	2674	53.95+-	31.09
2726	53.16+-	30.69	2778	17.50+-	17.50	2830	69.17+-	34.59	2882	51.29+-	29.61
2934	16.91+-	16.91	2985	50.21+-	28.99	3036	0.00+-	0.00	3087	32.83+-	23.21
3138	0.00+-	0.00	3189	48.36+-	27.92	3240	47.95+-	27.68	3290	15.85+-	15.85
3540	45.70+-	26.38	3590	0.00+-	0.00	3639	0.00+-	0.00	3689	0.00+-	0.00
4686	0.00+-	0.00	4732	0.00+-	0.00	4778	0.00+-	0.00	4823	9.41+-	9.41

NE +PB TO T INCLUSIVE 0.80 GEV/A

30DEG RUNS 844 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
647	1762.27+-	1017.45	683	3933.73+-	1243.95	722	6536.41+-	1461.59	764	3566.32+-	989.12
809	4889.69+-	1067.02	855	2199.16+-	663.07	903	2746.22+-	686.55	954	2271.99+-	586.62
1005	2024.99+-	522.85	1058	2187.55+-	515.61	1111	1215.42+-	366.46	1165	615.75+-	251.38
1219	774.89+-	273.96	1273	420.40+-	260.24	1328	874.86+-	276.65	1383	418.16+-	187.01
1438	641.68+-	226.87	1493	462.90+-	188.98	1548	520.78+-	196.83	1603	431.41+-	176.12
1657	348.14+-	155.69	1712	270.18+-	135.09	1767	393.78+-	160.76	1821	63.86+-	63.86
1875	62.22+-	62.22	1930	303.46+-	135.71	1984	118.54+-	83.82	2038	0.00+-	0.00
2091	56.69+-	56.69	2145	111.05+-	78.52	2199	108.85+-	76.97	2252	106.78+-	75.51
2305	52.42+-	52.42	2358	154.51+-	89.21	2411	50.64+-	50.64	2464	0.00+-	0.00
2517	98.12+-	69.38	2570	48.33+-	48.33	2622	95.30+-	67.39	2674	47.01+-	47.01
2934	0.00+-	0.00	2985	0.00+-	0.00	3036	0.00+-	0.00	3087	42.98+-	42.98
3138	85.18+-	60.23	3189	0.00+-	0.00	3240	0.00+-	0.00	3290	0.00+-	0.00

45DEG RUNS 866 867 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	0	0.00+-	0.00	617	98.64+-	98.79
650	1733.54+-	333.63	686	3096.24+-	377.45	725	3494.78+-	353.03	766	3141.55+-	306.59
810	2690.71+-	261.35	857	1981.64+-	207.73	905	2043.09+-	196.60	955	1946.00+-	179.15
1006	1736.92+-	163.28	1058	1273.37+-	133.33	1112	950.31+-	106.92	1165	792.88+-	94.10
1219	705.97+-	86.25	1274	490.39+-	70.06	1329	542.50+-	71.86	1384	473.15+-	65.61
1438	410.02+-	59.81	1493	244.32+-	45.37	1548	194.19+-	39.64	1603	203.46+-	39.90
1658	189.16+-	37.83	1712	102.76+-	27.46	1767	50.07+-	18.92	1821	69.40+-	21.95
1876	67.75+-	21.43	1930	32.98+-	14.75	1984	32.34+-	14.46	2038	44.07+-	16.66
2092	49.54+-	17.51	2145	19.06+-	17.48	2199	29.57+-	13.23	2252	5.80+-	5.80
2306	0.00+-	0.00	2359	11.19+-	7.92	2412	11.01+-	7.78	2465	10.94+-	7.74
2517	10.66+-	7.54	2570	0.00+-	0.00	2622	0.00+-	0.00	2674	0.00+-	0.00
2727	0.00+-	0.00	2779	0.00+-	0.00	2830	4.92+-	4.92	2882	4.96+-	4.96

NE +PB TO T INCLUSIVE 0.80 GEV/A

60DEG RUNS 848 849 856

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
657	1369.25+-	169.91	692	2731.18+-	196.69	730	2876.63+-	201.42	771	2595.42+-	160.12
815	2220.09+-	136.45	860	1729.33+-	122.02	908	1581.62+-	99.29	957	1141.88+-	78.65
1008	935.01+-	67.34	1060	845.53+-	60.58	1113	562.42+-	54.57	1167	502.14+-	43.08
1221	355.25+-	35.19	1275	314.64+-	32.13	1330	216.34+-	26.06	1385	163.41+-	30.23
1439	161.06+-	21.53	1494	151.83+-	20.48	1549	69.30+-	13.60	1604	64.11+-	12.83
1659	57.55+-	12.01	1713	33.25+-	8.89	1768	28.68+-	8.28	1822	45.31+-	10.13
1876	24.70+-	7.45	1930	28.05+-	7.78	1985	12.59+-	5.14	2038	6.08+-	3.51
2092	10.19+-	4.56	2146	8.04+-	4.02	2199	7.75+-	3.88	2253	3.87+-	2.74
2727	1.62+-	1.62	2779	0.00+-	0.00	2831	0.00+-	0.00	2882	0.00+-	0.00

90DEG RUNS 955 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
0	0.00+-	0.00	0	0.00+-	0.00	0	0.00+-	0.00	625	16.16+-	16.19
657	440.29+-	67.94	692	1037.38+-	86.15	730	985.58+-	75.81	771	851.35+-	64.54
815	672.31+-	52.82	860	459.32+-	40.44	908	355.44+-	33.14	957	257.56+-	26.70
1008	213.31+-	22.61	1060	131.58+-	16.85	1113	101.95+-	14.14	1167	74.64+-	11.66
1221	44.66+-	8.76	1275	30.95+-	7.10	1330	20.16+-	5.59	1385	11.86+-	4.19
1439	5.69+-	2.84	1494	9.57+-	3.62	1549	3.96+-	2.28	1604	2.55+-	1.80
1659	2.47+-	1.75	1713	1.20+-	1.20	1768	1.16+-	1.16	1822	1.13+-	1.13

130DEG RUNS 939 941 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
699	84.58+-	12.91	729	186.25+-	15.75	763	159.83+-	13.89	800	121.12+-	10.55
839	98.22+-	8.76	882	52.49+-	5.95	927	31.51+-	4.25	974	20.78+-	3.25
1023	12.86+-	2.39	1073	5.56+-	1.49	1124	4.74+-	1.32	1177	.34+-	.34
1230	1.90+-	.77	1284	.31+-	.31	1337	.29+-	.29	1392	0.00+-	0.00

INCLUSIVE INVARIANT CROSS-SECTIONS FOR ^{3}HE PRODUCTION IN THE REACTIONS:

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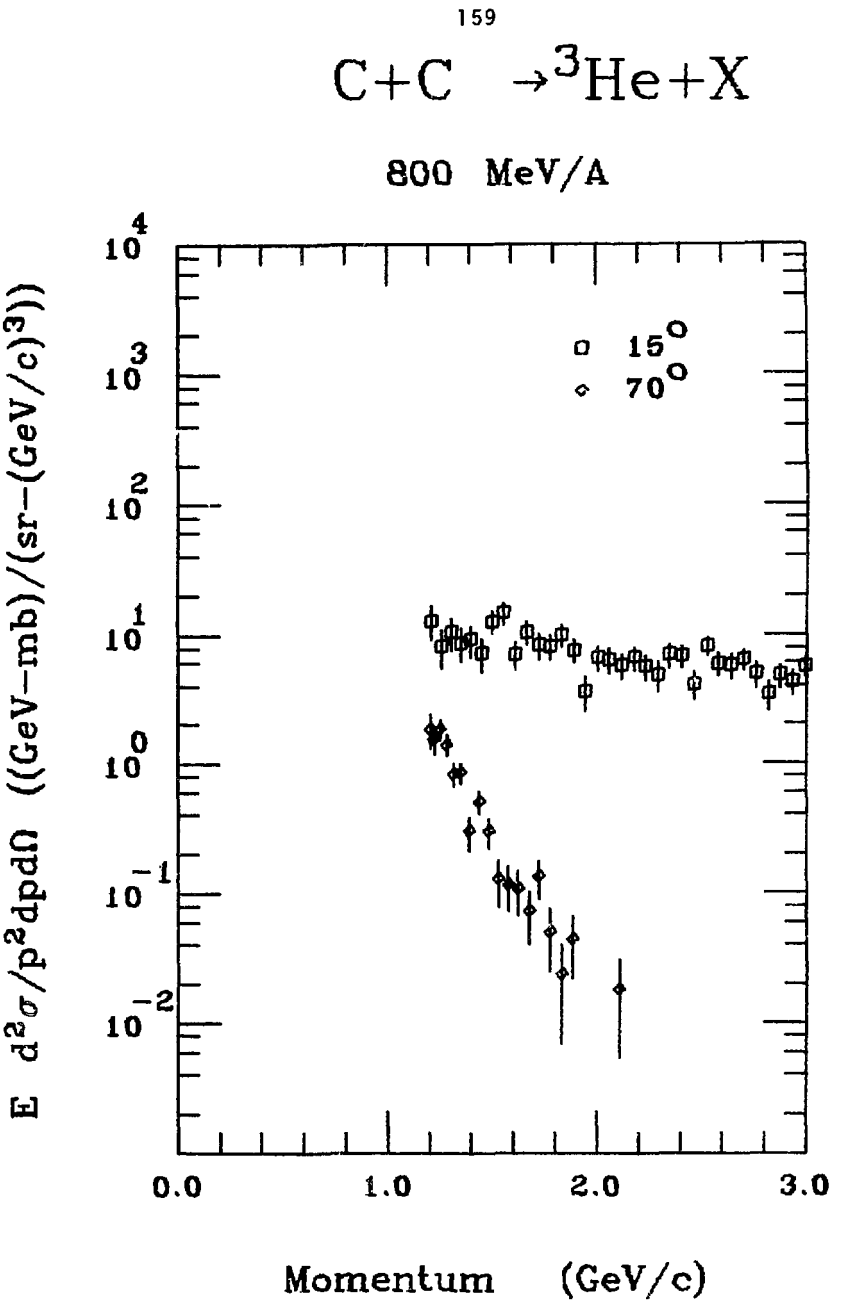

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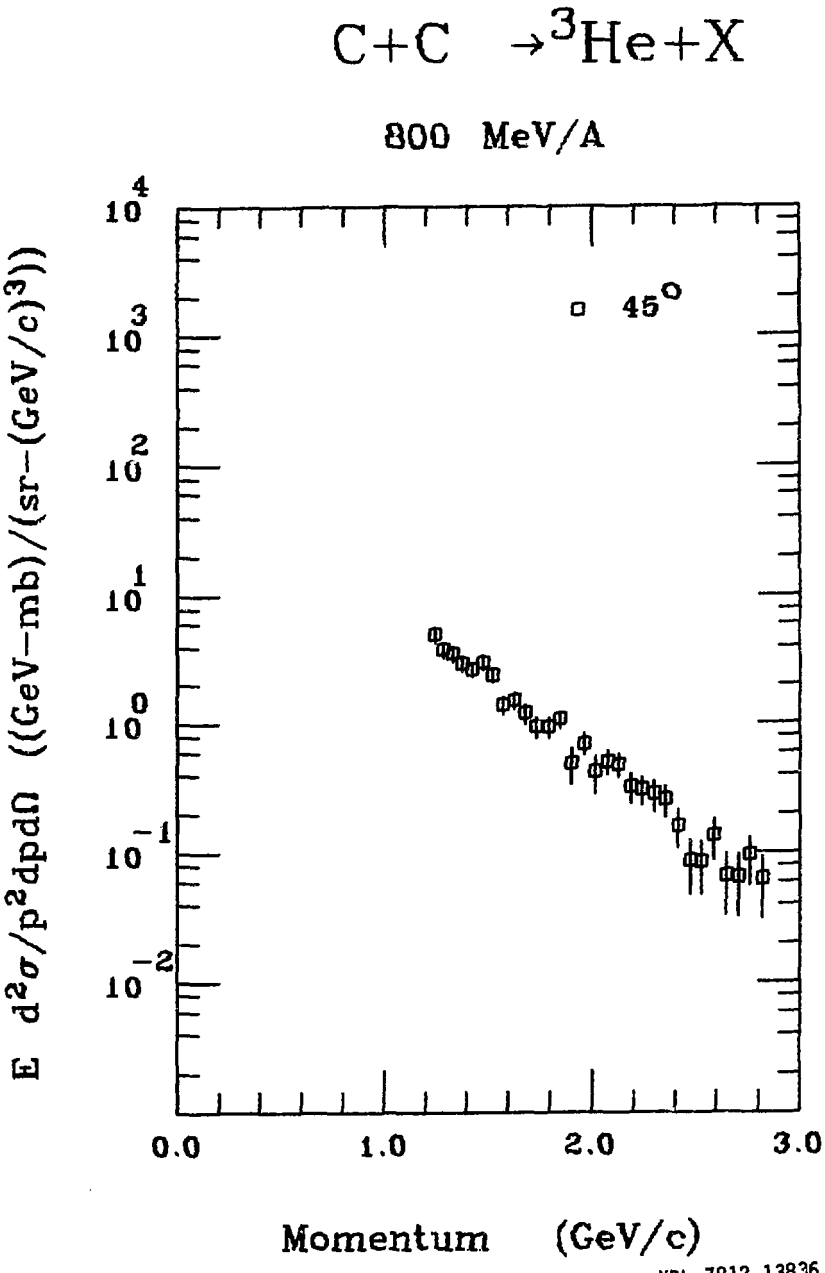

XBL 7812-13836

C + C TOHE-3 INCLUSIVE 0.80 GEV/A

15DEG RUNS 225 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1174	0.00+-	0.00	1215	12.73+-	3.84	1258	8.12+-	2.71	1305	10.42+-	2.89
1353	8.63+-	2.49	1403	9.12+-	2.44	1454	7.14+-	2.06	1506	12.48+-	2.60
1560	14.58+-	2.71	1614	7.02+-	1.81	1669	10.51+-	2.15	1725	8.22+-	1.84
1780	8.13+-	1.77	1836	9.87+-	1.90	1893	7.62+-	1.62	1949	3.62+-	1.09
2006	6.58+-	1.44	2063	6.28+-	1.37	2120	5.72+-	1.28	2177	6.58+-	1.34
2234	5.53+-	1.21	2292	4.84+-	1.28	2350	6.96+-	1.46	2408	6.81+-	1.29
2466	4.04+-	.98	2524	8.14+-	1.38	2582	5.92+-	1.16	2641	5.79+-	1.27
2700	6.35+-	1.18	2758	4.93+-	1.16	2817	3.38+-	.84	2876	4.77+-	.99
2935	4.28+-	.93	2994	5.62+-	1.06	3053	4.55+-	.95	3112	3.88+-	1.00
3172	3.26+-	.79	[illegible]	4.17+-	.89	3291	5.03+-	1.08	3350	4.80+-	.94
3410	1.81+-	.73	[illegible]	3.42+-	.78	3529	2.85+-	.71	3588	3.33+-	.88
3648	4.35+-	.87	[illegible]	2.58+-	.67	3767	3.40+-	.76	3827	1.85+-	.56
3887	1.82+-	.69	3947	1.49+-	.50	4007	2.45+-	.63	4066	1.62+-	.51
4126	2.41+-	.62	4186	.80+-	.36	4246	1.89+-	.55	4306	.78+-	.35
4366	.62+-	.31	4426	1.23+-	.44	4486	.15+-	.15	4546	.30+-	.21
4606	.15+-	.15	4666	0.00+-	0.00	4725	.15+-	.15	4785	0.00+-	0.00
5325	0.00+-	0.00	5385	0.00+-	0.00	5445	0.00+-	0.00	5505	.14+-	.14

45DEG RUNS 220 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1199	0.00+-	0.00	1237	4.89+-	.65	1279	3.73+-	.50	1324	3.49+-	.45
1371	2.92+-	.39	1420	2.69+-	.36	1470	3.02+-	.36	1522	2.41+-	.31
1574	1.40+-	.23	1627	1.51+-	.23	1682	1.19+-	.20	1736	.94+-	.17
1791	.94+-	.16	1847	1.08+-	.17	1902	.49+-	.15	1958	.70+-	.13
2015	.42+-	.14	2071	.51+-	.11	2128	.48+-	.10	2185	.32+-	.08
2242	.31+-	.08	2299	.28+-	.07	2356	.26+-	.07	2414	.16+-	.05
2472	.09+-	.04	2530	.09+-	.04	2588	.13+-	.05	2646	.07+-	.03
2704	.06+-	.03	2763	.09+-	.04	2821	.06+-	.03	2880	.02+-	.02

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C + C TOHE-3 INCLUSIVE 0.80 GEV/A
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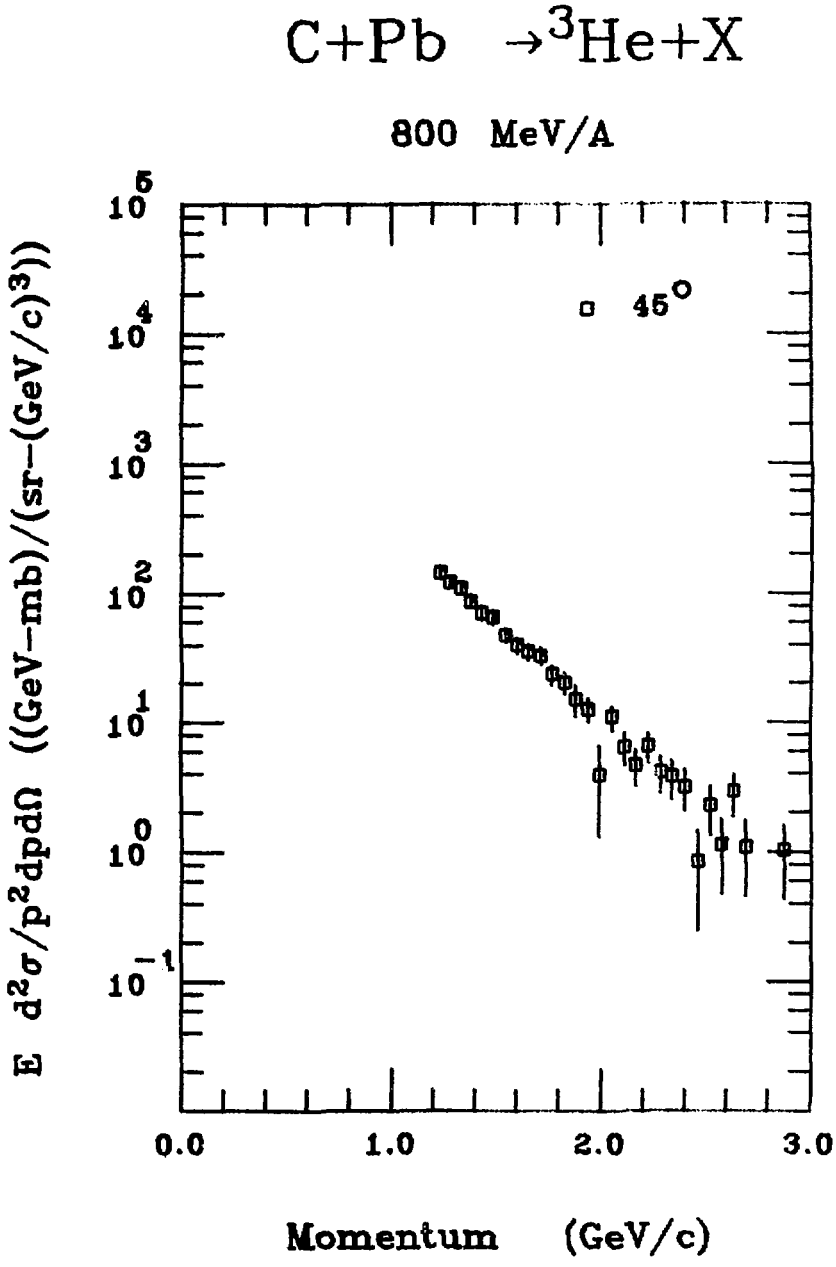
70DEG RUNS 229 231

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1187	0.00+-	0.00	1207	1.84+-	.55	1230	1.55+-	.39	1256	1.84+-	.34
1286	1.39+-	.26	1320	.84+-	.17	1356	.85+-	.15	1396	.30+-	.09
1439	.51+-	.11	1484	.30+-	.08	1530	.13+-	.05	1579	.12+-	.04
1628	.11+-	.04	1678	.07+-	.03	1730	.13+-	.04	1782	.05+-	.03
1834	.02+-	.02	1887	.04+-	.02	1941	.01+-	.01	1995	.01+-	.01

145DEG RUNS 252

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA



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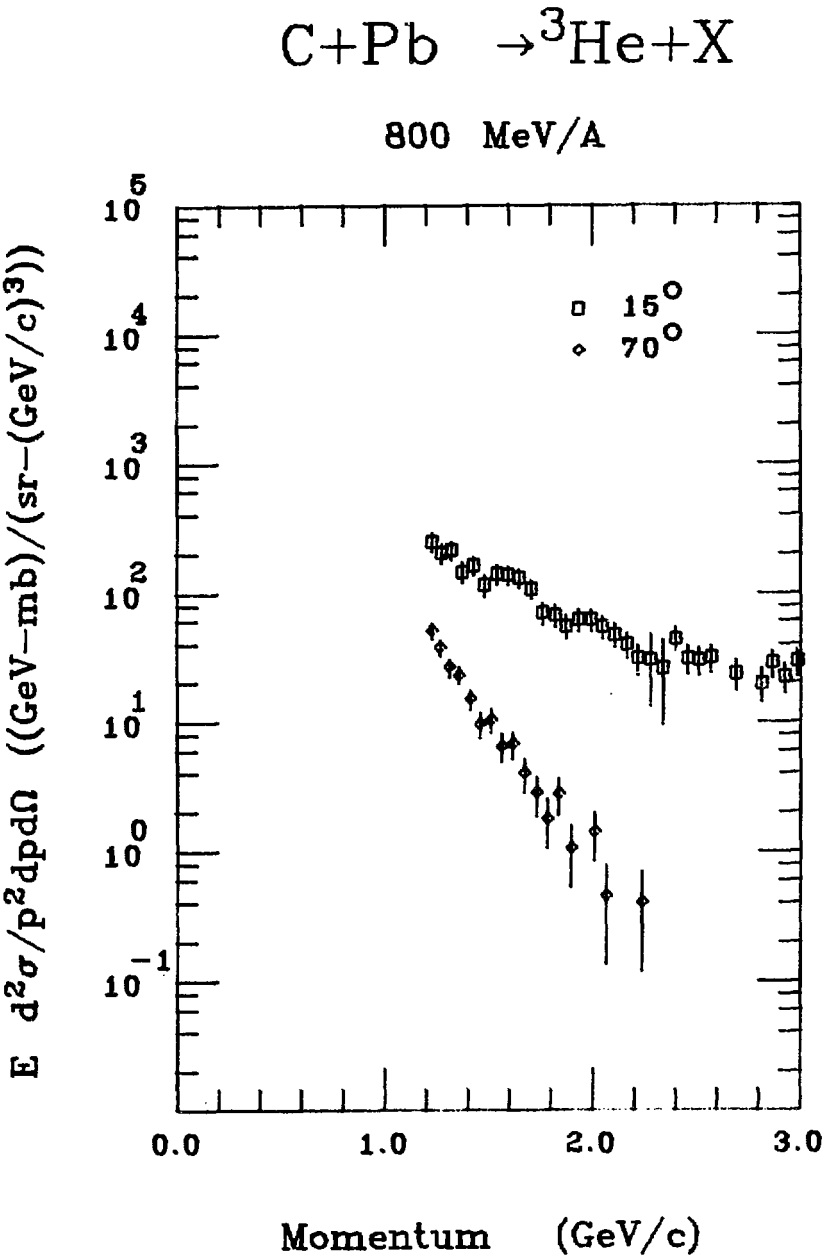

XBL 7812-13838

C +PB TONE-3 INCLUSIVE 0.80 GEV/A

15DEG RUNS 226 227 228

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1133	0.00+-	0.00	1177	0.00+-	0.00	1224	245.67+-	39.85	1272	201.69+-	34.09
1323	212.67+-	33.21	1375	144.74+-	26.00	1428	162.54+-	26.37	1483	114.14+-	21.20
1538	138.75+-	22.51	1593	135.87+-	21.48	1649	130.18+-	20.33	1706	107.21+-	17.87
1762	70.15+-	14.03	1819	66.18+-	13.24	1877	55.14+-	11.76	1934	61.99+-	12.16
1992	61.15+-	11.77	2049	54.09+-	10.82	2107	47.53+-	9.91	2165	39.63+-	8.86
2223	30.52+-	7.63	2281	30.00+-	16.83	2340	25.82+-	16.24	2398	43.88+-	8.78
2457	30.89+-	7.28	2515	30.31+-	7.14	2574	31.25+-	7.17	2633	13.37+-	14.00
2692	23.73+-	6.13	2751	12.86+-	13.48	2810	19.88+-	5.51	2869	28.50+-	6.54
2929	22.19+-	5.73	2988	29.11+-	6.51	3047	21.51+-	5.55	3107	18.73+-	12.63
3166	11.10+-	3.93	3226	20.56+-	5.31	3285	9.88+-	11.66	3345	14.71+-	4.43
3643	21.41+-	5.19	3703	18.68+-	4.82	3763	16.03+-	4.45	3823	14.63+-	4.22
3883	17.31+-	10.90	3942	13.17+-	3.97	4002	11.85+-	3.75	4062	10.60+-	3.53
4122	11.65+-	3.68	4182	5.76+-	2.58	4242	8.02+-	3.03	4302	6.82+-	2.78
4362	3.38+-	1.95	4422	4.47+-	2.24	4482	1.11+-	1.11	4542	4.41+-	2.21
4602	4.36+-	2.18	4661	4.33+-	2.16	4721	0.00+-	0.00	4781	2.13+-	1.51
4841	3.16+-	1.83	4901	0.00+-	0.00	4961	1.04+-	1.04	5021	0.00+-	0.00

45DEG RUNS 221 222 223

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1144	0.00+-	0.00	1187	0.00+-	0.00	1233	145.25+-	14.92	1281	121.75+-	12.91
1331	109.86+-	11.49	1383	86.10+-	9.70	1435	70.66+-	8.34	1489	65.55+-	7.87
1544	47.38+-	6.28	1599	39.42+-	5.57	1655	34.85+-	5.12	1711	32.53+-	4.73
1767	23.27+-	3.91	1824	20.31+-	3.56	1881	15.16+-	3.88	1938	12.77+-	2.68
1995	3.95+-	2.64	2053	11.06+-	2.37	2110	6.46+-	1.74	2168	4.70+-	1.49
2226	6.66+-	1.73	2284	4.15+-	1.32	2342	3.82+-	1.28	2401	3.18+-	1.14
2459	.86+-	.61	2518	2.31+-	.95	2576	1.13+-	.66	2635	2.92+-	1.04
2694	1.09+-	.63	2753	0.00+-	0.00	2812	.29+-	.29	2871	1.03+-	.60
2930	.37+-	.37	2989	.36+-	.36	3049	.36+-	.36	3108	.62+-	.44
3168	.35+-	.35	3227	0.00+-	0.00	3287	0.00+-	0.00	3346	0.00+-	0.00
3645	.31+-	.31	3704	0.00+-	0.00	3764	0.00+-	0.00	3824	0.00+-	0.00
3884	.23+-	.23	3944	0.00+-	0.00	4003	0.00+-	0.00	4063	.29+-	.29

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C +PB TOHE-3 INCLUSIVE 0.80 GEV/A
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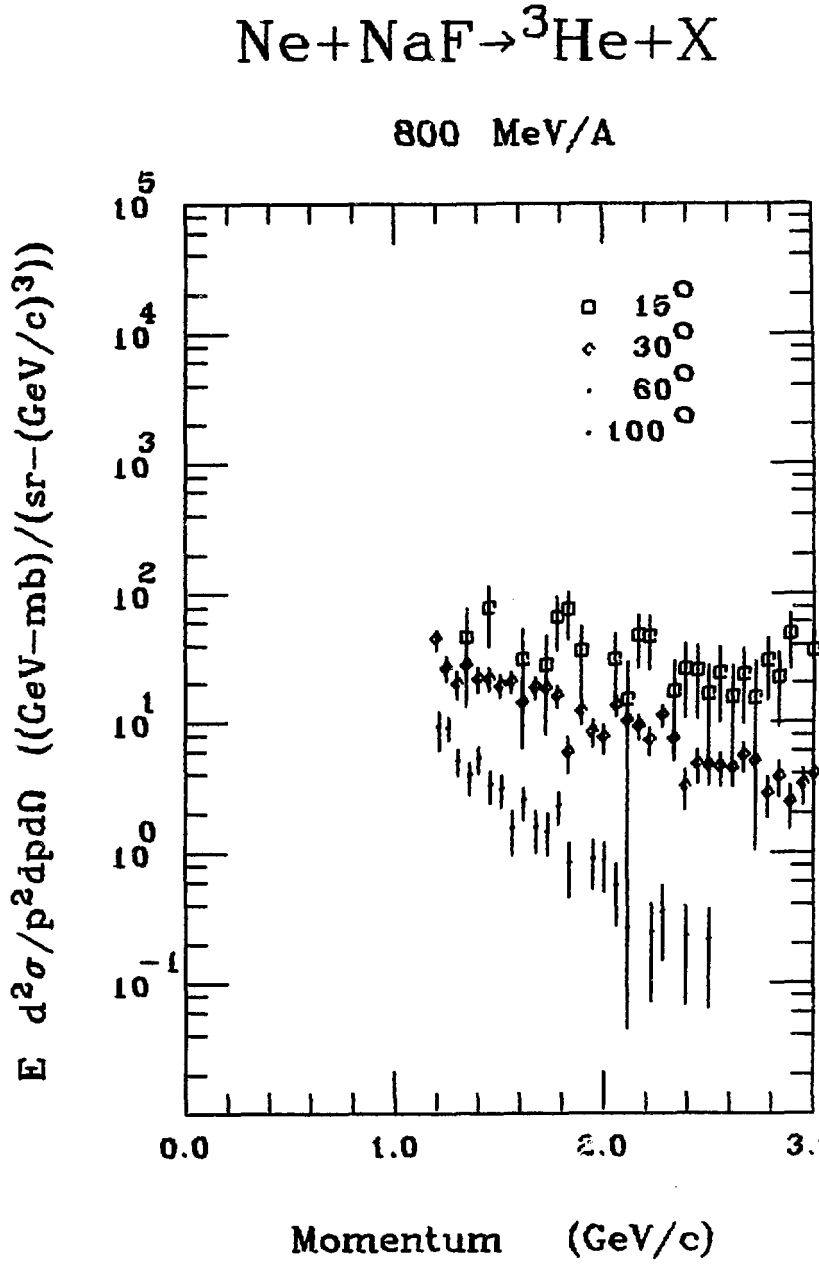
70DEG RUNS 230 231

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1186	0.00+-	0.00	1226	50.54+-	6.69	1269	37.29+-	5.07	1314	26.35+-	4.02
1362	23.08+-	3.56	1411	14.93+-	2.73	1462	9.54+-	2.08	1514	10.44+-	2.09
1567	6.52+-	1.58	1621	6.79+-	1.56	1675	4.01+-	1.16	1730	2.82+-	.94
1786	1.77+-	.72	1841	2.79+-	.88	1897	1.06+-	.53	1954	.25+-	.25
2010	1.44+-	.59	2067	.46+-	.32	2124	0.00+-	0.00	2181	.21+-	.21
2238	.40+-	.28	2295	.20+-	.20	2353	0.00+-	0.00	2411	.19+-	.19

145DEG RUNS 253

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA



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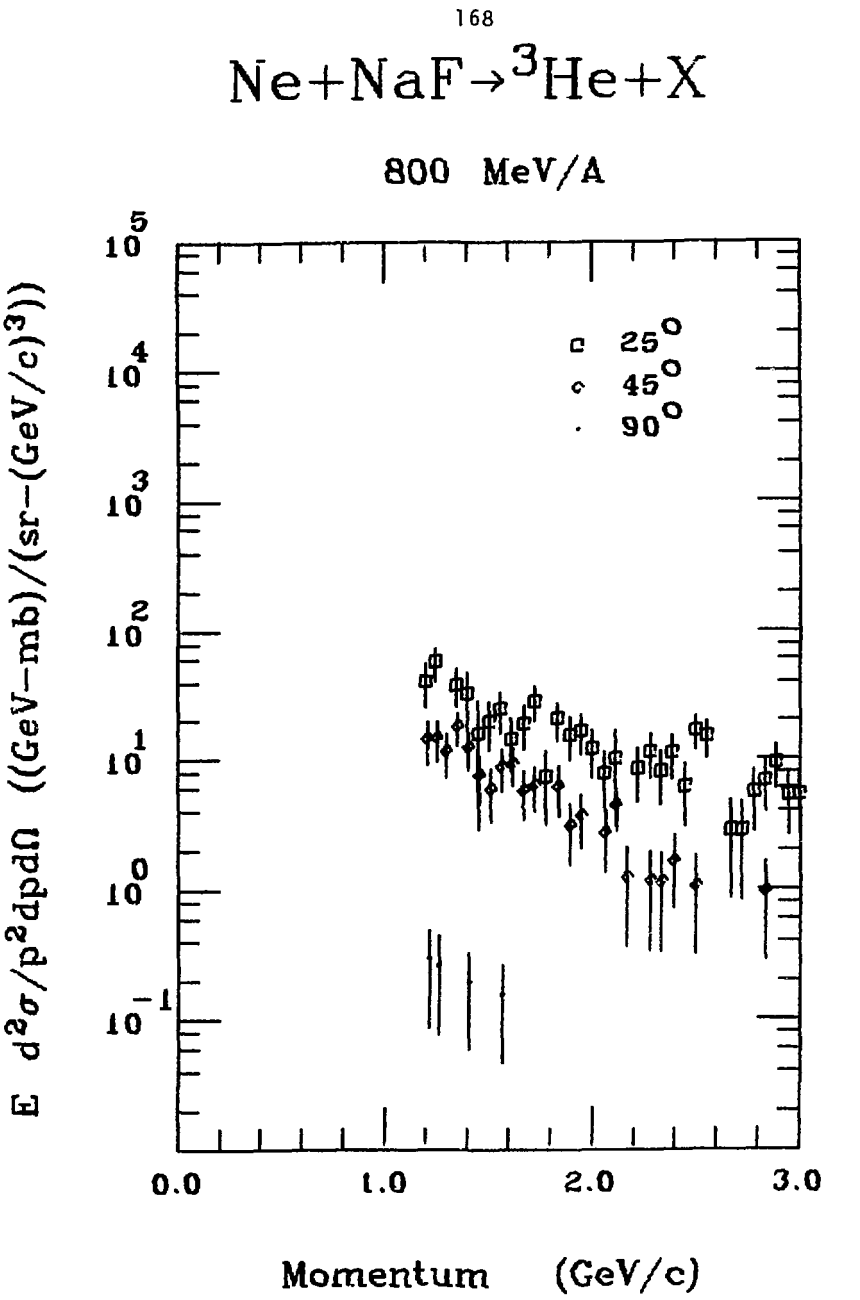

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NE +NAF TOHE-3 INCLUSIVE 0.80 GEV/A
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15DEG RUNS 961 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1298	12.65+-	28.06	1348	45.38+-	32.09	1401	0.00+-	0.00	1454	76.96+-	38.48
1725	27.64+-	19.54	1780	65.36+-	29.23	1835	74.40+-	30.37	1891	35.38+-	20.43
1946	5.66+-	12.56	2001	5.41+-	12.00	2056	30.89+-	17.83	2112	14.86+-	14.82
2167	47.56+-	21.27	2223	45.86+-	20.51	2278	8.92+-	8.92	2334	17.45+-	12.34
2389	25.62+-	14.79	2445	25.11+-	14.50	2500	16.42+-	11.61	2556	24.18+-	13.96
2611	15.84+-	11.20	2667	23.36+-	13.49	2722	15.38+-	14.32	2778	30.17+-	15.09
2833	22.30+-	12.87	2889	47.70+-	21.66	2944	7.23+-	7.23	2999	35.66+-	15.95
3055	35.22+-	15.75	3110	34.79+-	15.56	3165	48.14+-	18.20	3221	13.60+-	9.62
3276	23.57+-	13.86	3331	19.97+-	11.53	3386	6.59+-	6.59	3441	19.58+-	11.30
3496	12.93+-	9.14	3551	6.41+-	6.41	3606	22.24+-	13.08	3660	12.59+-	8.90
4150	5.89+-	5.89	4205	0.00+-	0.00	4259	0.00+-	0.00	4312	0.00+-	0.00
4366	0.00+-	0.00	4420	5.71+-	5.71	4474	0.00+-	0.00	4528	5.65+-	5.65
4581	0.00+-	0.00	4635	0.00+-	0.00	4688	0.00+-	0.00	4741	5.54+-	5.54
5007	5.41+-	5.41	5060	0.00+-	0.00	5112	0.00+-	0.00	5165	0.00+-	0.00

25DEG RUNS 881 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1111	0.00+-	0.00	1155	0.00+-	0.00	1201	40.37+-	15.26	1249	56.72+-	17.10
1298	16.13+-	16.40	1349	37.79+-	12.60	1401	32.65+-	16.09	1454	15.91+-	13.04
1508	19.83+-	8.10	1562	24.66+-	8.72	1616	14.43+-	6.45	1671	18.99+-	7.18
1726	28.13+-	8.48	1781	7.26+-	4.19	1836	20.65+-	6.88	1891	15.28+-	5.78
1946	16.65+-	5.89	2001	11.94+-	4.87	2057	7.62+-	3.81	2112	10.00+-	6.95
2168	6.10+-	6.20	2223	8.49+-	3.80	2278	11.56+-	4.37	2334	8.07+-	3.61
2389	11.07+-	4.18	2445	6.20+-	3.10	2500	16.72+-	5.04	2556	14.92+-	4.72
2612	2.83+-	6.53	2667	2.88+-	2.04	2723	2.84+-	2.01	2778	5.58+-	2.79
2833	6.88+-	3.08	2889	9.49+-	3.59	2944	5.35+-	2.68	3000	5.28+-	2.64
3055	0.00+-	0.00	3110	2.58+-	1.82	3166	1.27+-	1.27	3221	3.78+-	2.18
3276	1.24+-	1.24	3331	1.23+-	1.23	3386	1.22+-	1.22	3441	3.62+-	2.09
3496	2.39+-	1.69	3551	1.19+-	1.19	3606	4.70+-	2.35	3661	0.00+-	0.00
3715	1.16+-	1.16	3770	3.44+-	1.99	3824	0.00+-	0.00	3879	0.00+-	0.00
3933	0.00+-	0.00	3988	0.00+-	0.00	4042	0.00+-	0.00	4096	1.10+-	1.10
4151	0.00+-	0.00	4205	1.08+-	1.08	4259	0.00+-	0.00	4313	2.14+-	1.51
4366	1.06+-	1.06	4420	0.00+-	0.00	4474	0.00+-	0.00	4528	0.00+-	0.00
5218	0.00+-	0.00	5270	0.00+-	0.00	5323	0.00+-	0.00	5375	.97+-	.97

NE +NAF TOHE-3 INCLUSIVE 0.80 GEV/A

30DEG RUNS 880 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1112	0.00+-	0.00	1155	0.00+-	0.00	1201	44.31+-	8.09	1249	26.41+-	5.91
1299	20.26+-	4.91	1350	27.95+-	5.48	1402	21.72+-	4.63	1455	21.88+-	4.47
1508	19.46+-	4.06	1562	20.52+-	4.02	1617	14.40+-	8.08	1671	18.75+-	3.61
1726	18.34+-	3.47	1781	16.11+-	3.16	1836	5.88+-	1.86	1891	12.30+-	2.62
1946	8.53+-	2.13	2002	7.64+-	1.97	2057	13.66+-	2.58	2112	10.31+-	2.20
2168	9.47+-	2.07	2223	7.39+-	1.79	2279	11.41+-	2.20	2334	7.44+-	1.75
2390	3.24+-	1.15	2445	4.76+-	1.37	2501	4.67+-	1.35	2556	4.58+-	1.32
2612	4.50+-	1.30	2667	5.54+-	1.43	2723	5.08+-	1.36	2778	2.86+-	1.01
2834	3.87+-	1.17	2889	2.43+-	.92	2944	3.43+-	1.08	3000	4.06+-	1.17
3055	1.00+-	.58	3110	1.65+-	.74	3166	.98+-	.56	3221	1.29+-	.64
3276	.32+-	.32	3331	.63+-	.45	3386	2.19+-	.83	3441	.93+-	.54
3496	1.84+-	.75	3551	.30+-	.30	3606	0.00+-	0.00	3661	0.00+-	0.00
3715	1.18+-	.59	3770	.59+-	.42	3825	0.00+-	0.00	3879	.29+-	.29
4581	.53+-	.38	4635	.26+-	.26	4688	0.00+-	0.00	4741	0.00+-	0.00
5007	.26+-	.26	5060	0.00+-	0.00	5113	0.00+-	0.00	5165	0.00+-	0.00

45DEG RUNS 872 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1116	0.00+-	0.00	1159	0.00+-	0.00	1205	14.22+-	5.38	1252	14.53+-	5.14
1302	11.46+-	4.33	1352	17.72+-	5.12	1404	12.20+-	4.07	1457	7.51+-	3.07
1510	5.81+-	2.60	1564	8.67+-	3.07	1619	9.14+-	3.05	1673	5.72+-	2.34
1728	6.30+-	2.38	1783	.60+-	1.63	1838	6.22+-	2.64	1893	3.07+-	1.54
1948	3.66+-	1.64	2003	1.19+-	1.51	2058	2.68+-	1.34	2114	4.51+-	1.70
2169	1.24+-	.88	2224	0.00+-	0.00	2280	1.16+-	.82	2335	1.14+-	.80
2391	1.67+-	.96	2446	.55+-	.55	2501	1.07+-	.76	2557	0.00+-	0.00
2834	.97+-	.68	2890	0.00+-	0.00	2945	0.00+-	0.00	3000	.46+-	.46
3056	.46+-	.46	3111	0.00+-	0.00	3166	0.00+-	0.00	3221	0.00+-	0.00

NE +NAF TOHE-3 INCLUSIVE 0.80 GEV/A

60DEG RUNS 852 891 856 886

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1125	0.00+-	0.00	1167	0.00+-	0.00	1212	9.31+-	3.17	1259	9.23+-	1.85
1308	5.03+-	1.30	1358	3.90+-	1.08	1410	5.27+-	1.21	1462	3.33+-	.92
1515	3.09+-	.86	1569	1.55+-	.59	1623	2.49+-	.72	1677	1.56+-	.55
1732	1.47+-	.52	1786	2.26+-	.63	1841	.83+-	.37	1896	.16+-	.16
1951	.88+-	.36	2006	.86+-	.35	2061	.55+-	.27	2116	.26+-	.19
2393	.23+-	.16	2448	0.00+-	0.00	2503	.22+-	.15	2559	.11+-	.11
2614	.11+-	.11	2669	0.00+-	0.00	2725	0.00+-	0.00	2780	0.00+-	0.00
3278	.09+-	.09	3333	0.00+-	0.00	3388	0.00+-	0.00	3443	0.00+-	0.00

90DEG RUNS 951 956

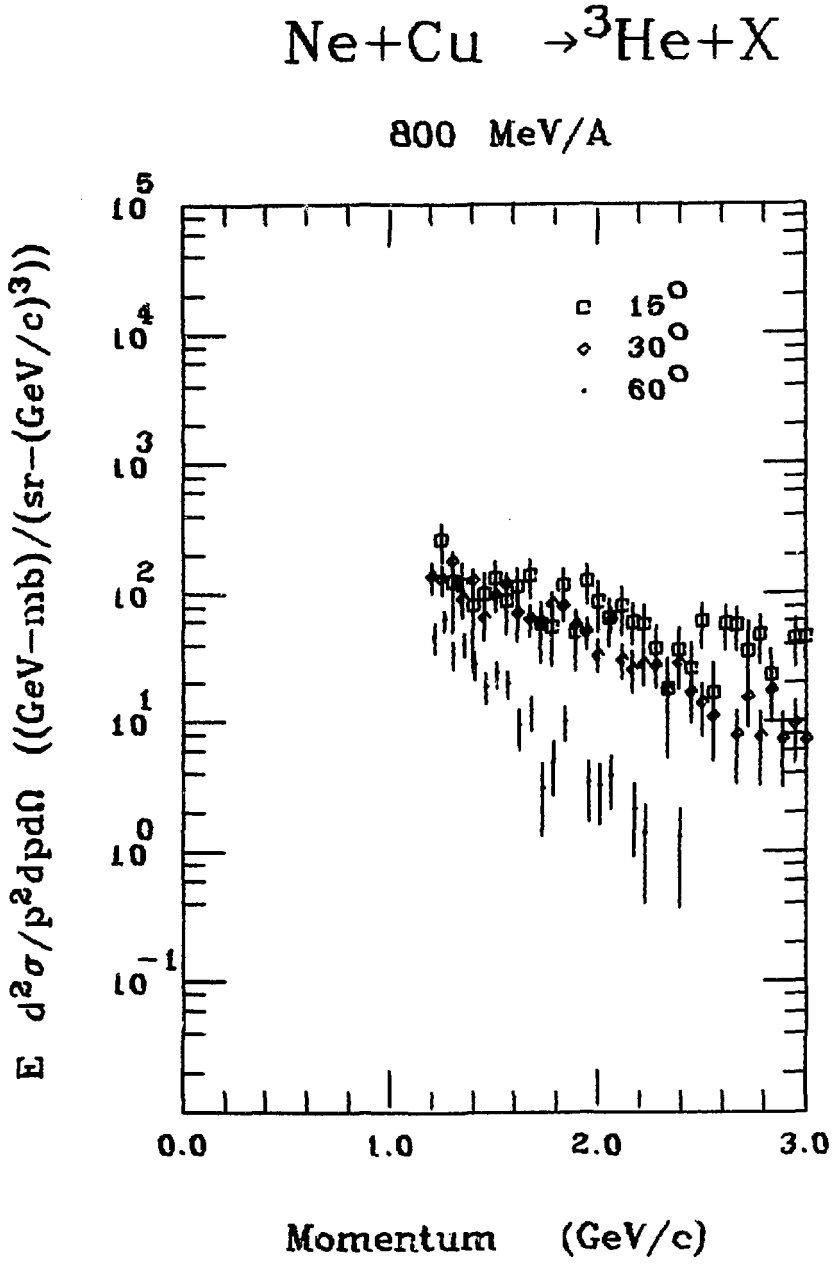
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1125	0.00+-	0.00	1167	0.00+-	0.00	1212	.29+-	.20	1259	.26+-	.18
1308	0.00+-	0.00	1358	.10+-	.10	1410	.19+-	.14	1462	.09+-	.09
1732	.06+-	.06	1786	0.00+-	0.00	1841	0.00+-	0.00	1896	0.00+-	0.00

100DEG RUNS 928 933

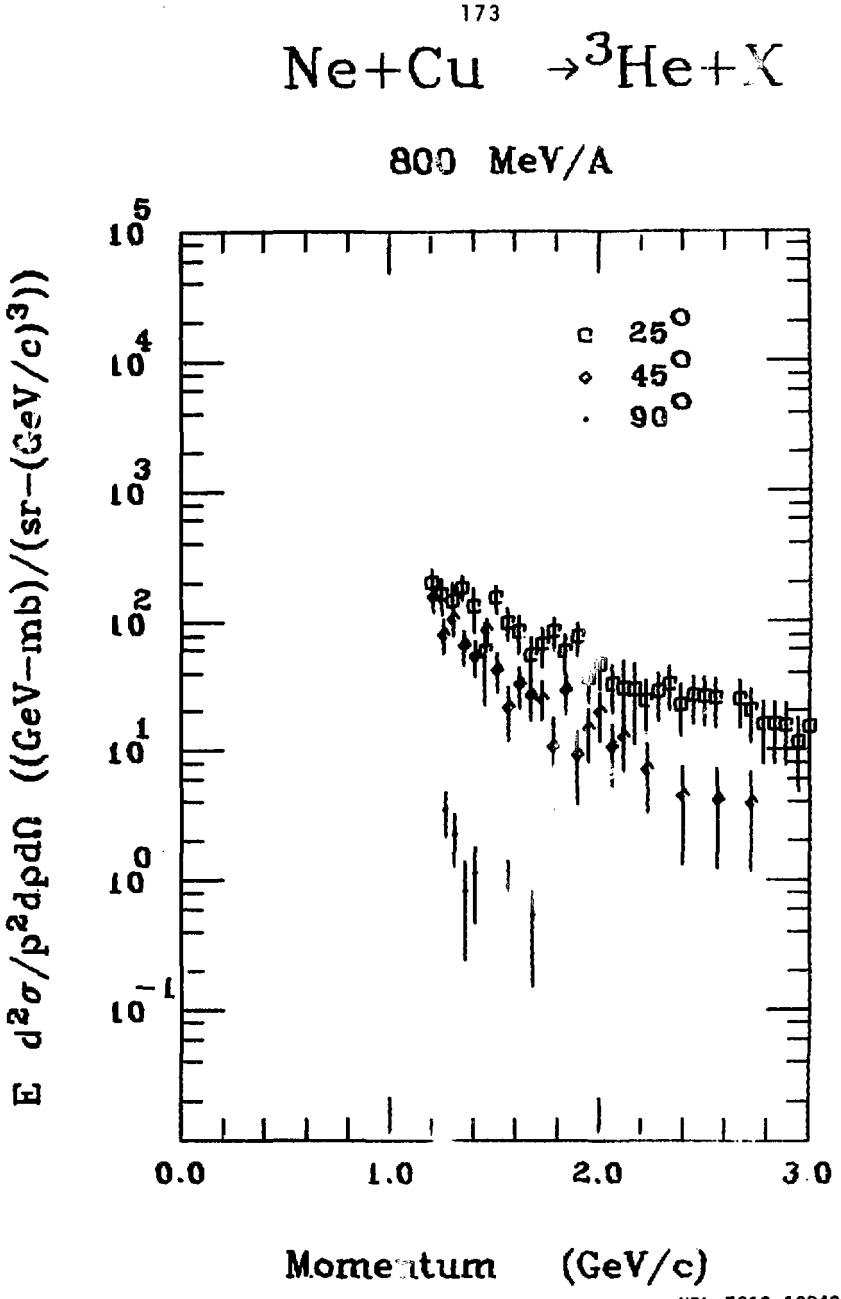
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA

130DEG RUNS 938 947 948

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA



XBL 7812-13841



XBL 7812-13842

NE +CU TOHE-3 INCLUSIVE 0.80 GEV/A

15DEG RUNS 960 964

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1110	0.00+-	0.00	1153	0.00+-	0.00	1200	0.00+-	0.00	1248	260.06+-	86.69
1298	122.76+-	72.21	1348	117.68+-	52.63	1401	80.14+-	55.82	1454	99.80+-	44.63
1507	129.68+-	49.02	1561	86.38+-	38.63	1616	113.23+-	42.80	1670	136.82+-	45.61
1725	57.34+-	28.67	[illegible]	54.24+-	27.12	1835	115.77+-	38.59	1891	48.94+-	24.47
1946	124.92+-	43.13	2001	85.94+-	36.42	2056	64.09+-	26.16	2112	79.05+-	33.50
2167	59.20+-	24.17	2223	57.08+-	23.30	2278	37.01+-	18.50	2334	18.10+-	12.80
2389	35.44+-	17.72	2445	26.05+-	15.04	2500	59.62+-	22.54	2556	16.72+-	11.83
2611	57.51+-	21.74	2667	56.54+-	21.37	2722	35.10+-	25.56	2778	46.95+-	19.17
2833	23.13+-	[illegible]	2889	.94+-	22.81	2944	44.98+-	18.36	2999	44.40+-	18.12
3055	58.45+-	20.67	3110	57.75+-	20.42	3165	57.07+-	20.18	3221	42.32+-	17.28
3276	32.85+-	19.32	3331	20.72+-	11.96	3386	54.69+-	19.33	3441	20.31+-	11.72
3496	40.23+-	16.43	3551	39.87+-	16.28	3606	11.25+-	14.23	3660	26.12+-	13.06
3715	25.90+-	12.95	3770	19.27+-	11.13	3824	19.12+-	11.04	3879	37.96+-	15.50
3933	6.28+-	6.28	3988	18.70+-	10.80	4042	6.19+-	6.19	4096	24.60+-	12.30
4150	12.22+-	8.64	4205	6.07+-	6.07	4259	6.03+-	6.03	4312	11.99+-	8.48
4366	0.00+-	0.00	4420	5.93+-	5.93	4474	0.00+-	0.00	4528	5.86+-	5.86
4581	5.83+-	5.83	4635	0.00+-	0.00	4688	0.00+-	0.00	4741	0.00+-	0.00
4795	5.72+-	5.72	4848	0.00+-	0.00	4901	0.00+-	0.00	4954	0.00+-	0.00

25DEG RUNS 883 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1111	0.00+-	0.00	1154	0.00+-	0.00	1201	197.88+-	57.12	1249	162.19+-	48.90
1298	143.46+-	56.30	1349	180.09+-	46.50	1401	129.92+-	47.95	1454	58.89+-	36.59
1508	151.21+-	37.80	1562	96.94+-	29.23	1616	82.51+-	26.09	1671	54.28+-	20.52
1726	65.82+-	21.94	1781	83.01+-	23.96	1836	59.06+-	19.69	1891	74.90+-	21.62
1946	35.71+-	14.58	2001	45.51+-	16.09	2057	32.69+-	13.35	2112	30.26+-	18.80
2168	29.11+-	18.09	2223	24.27+-	10.85	2278	28.32+-	11.56	2334	32.32+-	12.21
2389	22.60+-	10.11	2445	26.58+-	10.85	2500	26.07+-	10.64	2556	25.59+-	10.45
2612	0.00+-	0.00	2667	24.73+-	10.09	2722	20.27+-	9.07	2778	15.97+-	7.98
2833	15.73+-	7.87	2889	15.51+-	7.76	2944	11.47+-	6.62	3000	15.10+-	7.55
3055	17.83+-	12.86	3110	3.68+-	3.68	3166	0.00+-	0.00	3221	14.39+-	7.20
3276	17.80+-	7.96	3331	3.52+-	3.52	3386	3.49+-	3.49	3441	6.91+-	4.88
3496	6.84+-	4.84	3551	0.00+-	0.00	3606	10.08+-	5.82	3661	6.66+-	4.71
3715	3.30+-	3.30	3770	9.83+-	5.68	3824	6.50+-	4.60	3879	0.00+-	0.00
3933	0.00+-	0.00	3988	0.00+-	0.00	4042	0.00+-	0.00	4096	3.14+-	3.14

NE +CU TOHE-3 INCLUSIVE 0.80 GEV/A

30DEG RUNS 879 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1112	0.00+-	0.00	1155	0.00+-	0.00	1201	136.08+-	37.74	1249	131.02+-	35.02
1299	177.31+-	38.69	1350	91.43+-	26.39	1402	125.94+-	29.68	1455	64.61+-	20.43
1508	95.96+-	23.99	1562	117.44+-	25.63	1617	70.18+-	28.66	1671	63.98+-	17.74
1726	60.33+-	16.73	1781	83.41+-	19.14	1836	79.12+-	18.15	1891	55.45+-	14.82
1946	49.10+-	13.62	2002	32.49+-	10.83	2057	62.25+-	14.67	2112	29.88+-	9.96
2168	25.56+-	9.04	2223	27.72+-	9.24	2279	26.96+-	8.99	2334	17.58+-	7.18
2390	28.69+-	9.07	2445	16.87+-	6.89	2501	13.79+-	6.17	2556	10.83+-	5.41
2612	0.00+-	0.00	2667	7.85+-	4.53	2723	15.44+-	6.30	2778	7.60+-	4.39
2834	17.47+-	6.60	2889	7.38+-	4.26	2944	9.71+-	4.85	3000	7.19+-	4.15
3496	2.17+-	2.17	3551	2.15+-	2.15	3606	4.26+-	3.02	3661	0.00+-	0.00
3715	2.10+-	2.10	3770	2.08+-	2.08	3825	0.00+-	0.00	3879	0.00+-	0.00
4367	0.00+-	0.00	4420	0.00+-	0.00	4474	0.00+-	0.00	4528	1.90+-	1.90

45DEG RUNS 871 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1116	0.00+-	0.00	1159	0.00+-	0.00	1205	152.89+-	35.08	1252	79.11+-	23.85
1302	103.79+-	25.95	1352	64.37+-	19.40	1404	53.71+-	16.98	1457	84.32+-	20.45
1510	41.44+-	13.81	1564	21.47+-	9.60	1619	32.16+-	11.37	1673	26.45+-	10.00
1728	24.94+-	9.43	1783	10.67+-	7.30	1838	29.31+-	10.46	1893	9.12+-	5.27
1948	14.50+-	6.49	2003	19.87+-	8.17	2058	10.62+-	5.31	2114	12.75+-	5.70
2169	0.00+-	0.00	2224	7.10+-	4.10	2280	0.00+-	0.00	2335	2.25+-	2.25
2391	4.41+-	3.12	2446	2.16+-	2.16	2501	2.12+-	2.12	2557	4.16+-	2.94
2612	2.04+-	2.04	2668	2.01+-	2.01	2723	3.95+-	2.79	2779	0.00+-	0.00
3056	1.82+-	1.82	3111	1.79+-	1.79	3166	0.00+-	0.00	3221	0.00+-	0.00
4367	0.00+-	0.00	4421	0.00+-	0.00	4474	0.00+-	0.00	4528	1.46+-	1.46

60DEG RUNS 856 886 854

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1125	0.00+-	0.00	1167	0.00+-	0.00	1212	45.97+-	12.30	1259	62.73+-	11.45
1308	33.93+-	8.00	1358	40.72+-	8.31	1410	28.05+-	6.61	1462	18.71+-	5.19
1515	24.04+-	5.67	1569	19.93+-	4.98	1623	9.33+-	3.30	1677	12.06+-	3.64
1732	3.10+-	1.79	1786	4.89+-	2.19	1841	10.21+-	3.08	1896	.88+-	.88
1951	3.37+-	1.68	2006	3.22+-	1.61	2061	3.86+-	1.72	2116	.74+-	.74
2171	2.14+-	1.23	2227	1.37+-	.97	2282	.67+-	.67	2337	.65+-	.65
2393	1.28+-	.90	2448	0.00+-	0.00	2503	.61+-	.61	2559	0.00+-	0.00
2614	0.00+-	0.00	2669	0.00+-	0.00	2725	0.00+-	0.00	2780	.56+-	.56

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NE +CU TOHE-3 INCLUSIVE 0.80 GEV/A
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90DEG RUNS 952 956

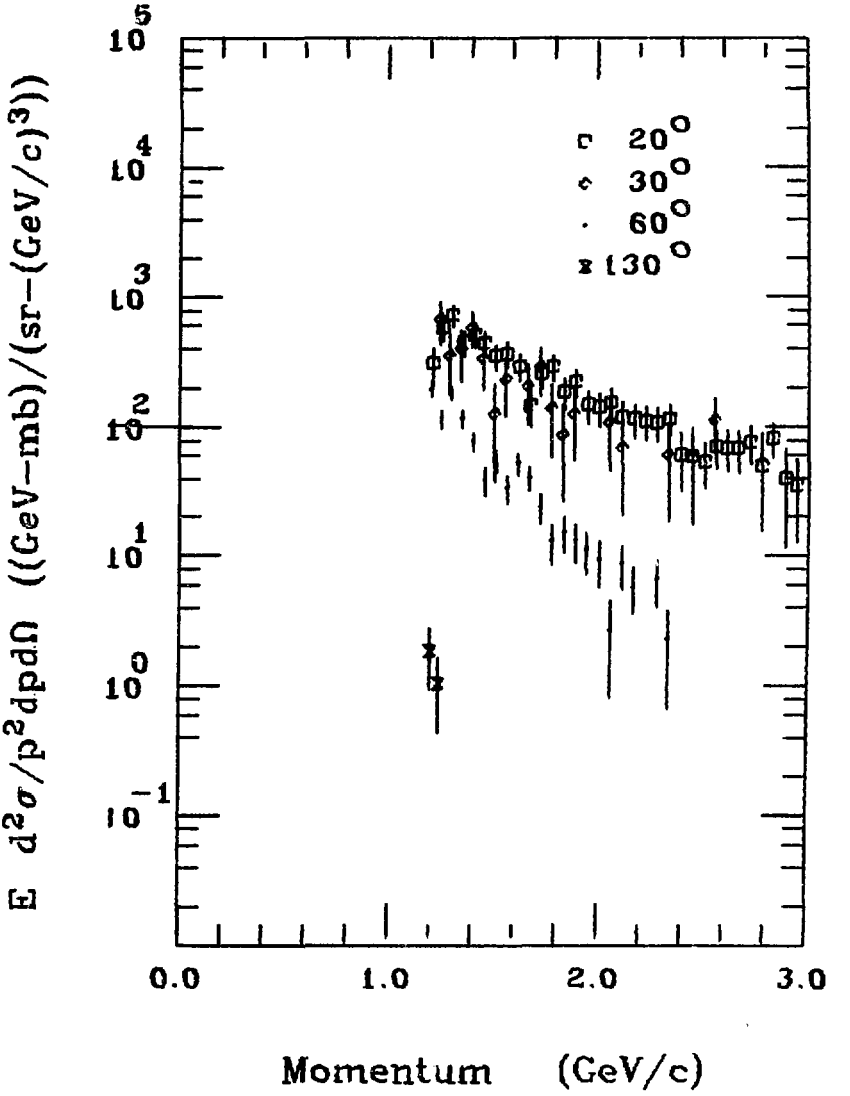
P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1125	0.00+-	0.00	1167	0.00+-	0.00	1212	0.00+-	0.00	1259	3.50+-	1.32
1308	2.25+-	1.01	1358	.81+-	.57	1410	1.12+-	.64	1462	0.00+-	0.00
1515	.32+-	.32	1569	.89+-	.52	1623	.28+-	.28	1677	.52+-	.37

130DEG RUNS 942 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA

Ne+Pb $\rightarrow {}^3$He+X

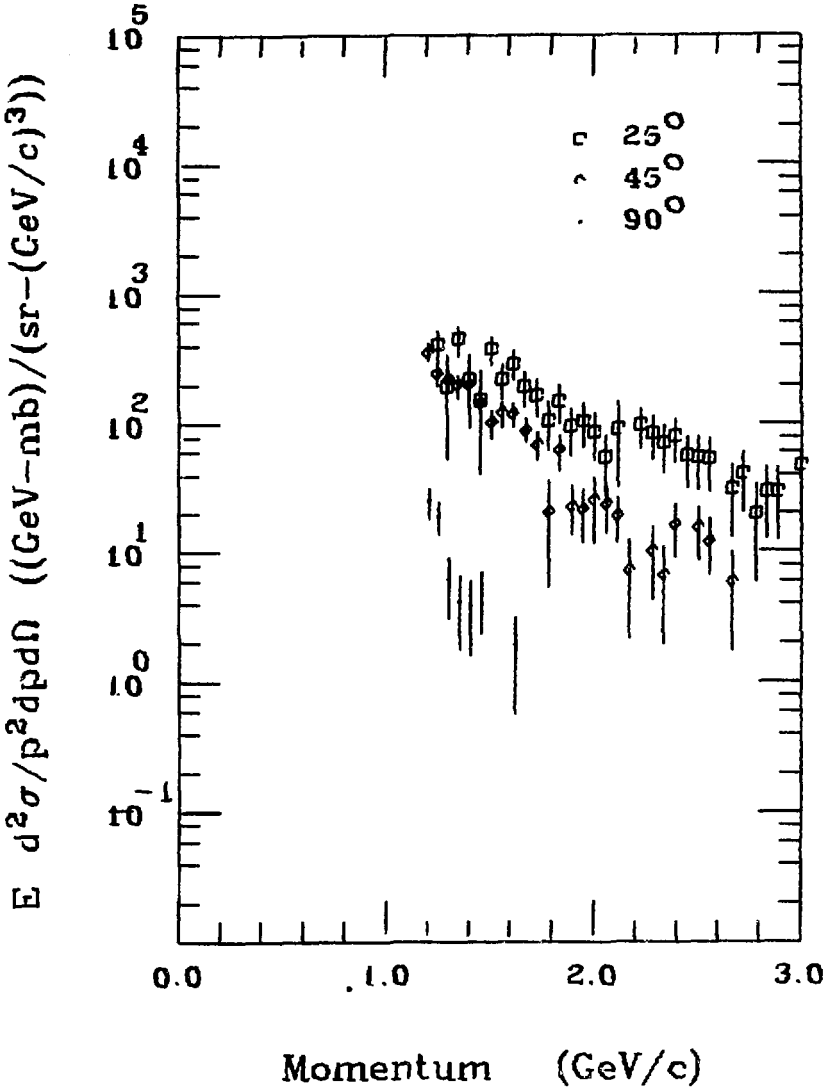
800 MeV/A



XBL 7812-13843

Ne+Pb $\rightarrow {}^3$He+X

800 MeV/A



XBL 7812-13844

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NE +PB TOHE-3 INCLUSIVE 0.80 GEV/A
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20DEG RUNS 827 826

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1126	0.00+-	0.00	1169	0.00+-	0.00	1213	306.81+-	102.27	1260	578.33+-	132.68
1309	713.29+-	139.89	1359	444.43+-	104.75	1411	509.82+-	116.26	1463	439.71+-	95.95
1516	349.86+-	82.46	1570	362.52+-	81.06	1623	288.57+-	69.99	1678	143.60+-	47.87
1732	255.83+-	62.05	1787	284.75+-	63.67	1842	182.17+-	56.17	1896	218.44+-	52.98
1951	147.04+-	42.45	2006	140.56+-	40.58	2061	151.34+-	46.66	2117	118.52+-	35.74
2172	114.04+-	34.39	2227	109.96+-	33.16	2282	106.94+-	32.24	2338	114.11+-	32.94
2393	60.38+-	29.87	2448	59.18+-	29.27	2504	53.69+-	21.92	2559	70.28+-	24.85
2614	69.05+-	24.41	2670	67.89+-	24.00	2725	75.14+-	25.05	2780	49.32+-	20.13
2836	80.98+-	25.61	2891	39.69+-	28.32	2946	35.32+-	22.67	3002	85.48+-	25.77
3057	61.38+-	21.70	3112	22.74+-	13.13	3167	14.98+-	10.59	3223	7.41+-	7.41
3278	29.31+-	14.65	3333	50.75+-	19.18	3388	21.53+-	12.43	3443	35.53+-	15.89
3498	14.08+-	9.96	3553	34.88+-	15.60	3607	13.83+-	9.78	3662	6.85+-	6.85
3717	33.99+-	15.20	3771	13.49+-	9.54	3826	13.38+-	9.46	3881	26.56+-	13.28
4368	12.51+-	8.85	4422	0.00+-	0.00	4475	6.19+-	6.19	4529	0.00+-	0.00

25DEG RUNS 882 884

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1107	0.00+-	0.00	1151	0.00+-	0.00	1197	0.00+-	0.00	1246	404.28+-	121.90
1296	195.10+-	143.53	1346	449.37+-	116.03	1399	216.83+-	125.24	1452	149.43+-	109.93
1506	377.31+-	94.33	1560	219.89+-	69.53	1614	288.24+-	77.03	1669	193.49+-	61.19
1724	164.21+-	54.74	1779	103.55+-	42.27	1834	147.33+-	49.11	1889	93.42+-	38.14
1945	103.92+-	39.28	2000	85.13+-	34.76	2056	54.37+-	27.18	2111	89.81+-	57.96
2166	36.18+-	49.79	2222	96.85+-	34.24	2277	82.41+-	31.15	2333	69.10+-	28.21
2389	78.93+-	29.83	2444	55.25+-	24.71	2500	54.19+-	24.24	2555	53.20+-	23.79
2611	18.44+-	54.77	2666	30.84+-	17.80	2722	40.46+-	20.23	2777	19.92+-	14.08
2833	29.44+-	16.99	2888	29.02+-	16.75	2944	9.54+-	9.54	2999	47.08+-	21.06
3054	36.10+-	38.03	3110	36.75+-	18.37	3165	54.48+-	22.24	3220	35.91+-	17.96
3275	8.88+-	8.88	3331	35.15+-	17.58	3386	8.70+-	8.70	3441	0.00+-	0.00
4150	0.00+-	0.00	4204	0.00+-	0.00	4258	0.00+-	0.00	4312	15.26+-	10.79
4794	0.00+-	0.00	4847	0.00+-	0.00	4901	7.21+-	7.21	4954	7.18+-	7.18

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30DEG RUNS 844 885

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1107	0.00+-	0.00	1151	0.00+-	0.00	1198	0.00+-	0.00	1246	673.79+-	254.67
1296	347.48+-	173.74	1347	392.24+-	175.41	1399	576.31+-	203.76	1452	332.63+-	148.76
1506	123.50+-	87.33	1560	230.32+-	115.16	1615	85.00+-	120.87	1669	202.67+-	101.33
1724	286.66+-	117.03	1779	135.58+-	78.27	1834	85.74+-	60.62	1890	122.32+-	70.62
1945	0.00+-	0.00	2000	37.16+-	37.16	2056	106.78+-	61.65	2111	68.35+-	48.33
2167	0.00+-	0.00	2222	0.00+-	0.00	2278	30.83+-	30.83	2333	60.31+-	42.65
2389	0.00+-	0.00	2444	57.87+-	40.92	2500	28.38+-	28.38	2555	111.46+-	55.73
2611	27.38+-	27.38	2666	26.92+-	26.92	2722	0.00+-	0.00	2777	52.16+-	36.88
3055	24.35+-	24.35	3110	0.00+-	0.00	3165	0.00+-	0.00	3220	0.00+-	0.00

45DEG RUNS 866 867 877

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1110	0.00+-	0.00	1154	0.00+-	0.00	1200	351.17+-	64.11	1248	241.37+-	50.33
1298	217.60+-	45.37	1349	196.22+-	40.91	1401	196.00+-	39.20	1454	144.71+-	32.36
1508	100.78+-	26.02	1562	119.25+-	27.36	1616	117.16+-	26.20	1671	88.09+-	22.02
1726	67.49+-	18.72	1781	20.42+-	15.05	1836	61.30+-	19.98	1891	22.15+-	9.91
1946	21.21+-	9.49	2001	25.03+-	13.68	2057	23.29+-	9.51	2112	18.57+-	8.31
2167	7.15+-	5.05	2223	3.45+-	3.45	2278	10.05+-	5.80	2334	6.56+-	4.64
2389	16.05+-	7.18	2445	3.14+-	3.14	2500	15.49+-	6.93	2556	12.11+-	6.06
3055	0.00+-	0.00	3110	0.00+-	0.00	3165	0.00+-	0.00	3221	2.55+-	2.55
3276	2.53+-	2.53	3331	2.50+-	2.50	3386	0.00+-	0.00	3441	0.00+-	0.00
3496	2.48+-	2.48	3551	0.00+-	0.00	3606	2.43+-	2.43	3661	0.00+-	0.00

60DEG RUNS 848 849 856

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1118	0.00+-	0.00	1161	0.00+-	0.00	1206	194.88+-	27.58	1254	114.18+-	19.89
1303	179.90+-	23.63	1353	114.76+-	17.93	1405	76.62+-	13.99	1458	38.19+-	9.55
1511	54.88+-	10.98	1565	33.06+-	8.27	1619	51.96+-	10.00	1674	39.98+-	8.53
1728	23.63+-	6.32	1783	12.87+-	4.55	1838	15.21+-	4.81	1893	12.94+-	4.31
1948	11.17+-	3.95	2004	9.28+-	3.51	2059	2.67+-	1.88	2114	8.71+-	3.29
2169	5.75+-	2.57	2225	1.11+-	1.11	2280	6.63+-	2.71	2336	2.26+-	1.60
3716	.75+-	.75	3771	0.00+-	0.00	3825	0.00+-	0.00	3880	0.00+-	0.00

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NE +PB TOHE-3 INCLUSIVE 0.80 GEV/A
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90DEG RUNS 955 956

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1118	0.00+-	0.00	1161	0.00+-	0.00	206	24.88+-	6.90	1254	18.81+-	5.67
1303	6.17+-	3.08	1353	4.17+-	2.41	1405	3.83+-	2.21	1458	4.71+-	2.36
1511	0.00+-	0.00	1565	1.02+-	1.02	1619	1.91+-	1.35	1674	.90+-	.90
1948	0.00+-	0.00	2004	0.00+-	0.00	2059	0.00+-	0.00	2114	.61+-	.61

130DEG RUNS 939 941 947

P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA	P MEV/C	INVCR+- MB/SR/GEV**2	SIGMA
1161	0.00+-	0.00	1200	1.84+-	.92	1243	1.04+-	.60	1287	.33+-	.33
1535	0.00+-	0.00	1587	0.00+-	0.00	1640	0.00+-	0.00	1694	.17+-	.17