

N R D F 核 反 応 リ ス ト

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これは1991年3月31日現在、NRDFに入力されているデータを核反応で分類したものである。

各項目の意味は以下のとおりである。

D # : NRDF のデータ番号。論文毎に番号が付けられている。

REACTION UNIT : 核反応式。

ENERGY RANGE : 入射粒子のエネルギー、または範囲。

LAB : 実験が行われた国、大学または研究所がコード形式で表わされている。すなわち、nABCXYZの初めのnは全世界を幾つかのブロックにわけた時のブロックの数で、2はアジア地域の番号。次の3英字ABCは国名を表わす、日本はJAPまたはJPNのコードで示される。最後のXYZは大学または研究所を示す。

AUTHOR : 著者のうち最初の著者名のみが示される。+記号は他に共著者がいることを示す。

REFERENCE : 雑誌名、巻、号、最初の頁。

なお、コード中、'X'は対応する値が不明であることを示す。

D#	REACTION UNIT	ENERGY RANGE	LAB	AUTHOR	REFERENCE
1	60NI(P,D)59NI	SOMEV	2JAPRCN	H. IKEGAMI+	PL/B,74,1978,326
1	59CO(P,D)58CO	SOMEV	2JAPRCN	H. IKEGAMI+	PL/B,74,1978,326
2	51V(P,D)50V	51.9MEV		H. OHMURA+	PL/B,73,1978,145
3	58NI(3HE,3HE)58NI	24.15MEV	2JAPIPC	T. FUJISAWA+	JPJ,27,1969,278
4	58NI(14N,14N)58NI	84MEV	2JAPIPC	I. KOHNO+	IPC-SC,68,1974,3
4	28SI(14N,14N)28SI	84MEV	2JAPIPC	I. KOHNO+	IPC-SC,68,1974,3
4	27AL(14N,14N)27AL	88MEV	2JAPIPC	I. KOHNO+	IPC-SC,68,1974,3
4	12C(14N,14N)12C	88MEV	2JAPIPC	I. KOHNO+	IPC-SC,68,1974,3
4	28SI(12C,12C)28SI	83.5MEV	2JAPIPC	I. KOHNO+	IPC-SC,68,1974,3
4	12C(12C,12C)12C	70MEV	2JAPIPC	I. KOHNO+	IPC-SC,68,1974,3
5	164DY(ALPH,X*N)GAMMA	90MEV	2JAPRNP	H. EJIRI+	JPJ,44,1978,655
5	162DY(ALPH,X*N)	90MEV	2JAPRNP	H. EJIRI+	JPJ,44,1978,655
5	165HO(P,X*N)GAMMA	60MEV	2JAPRNP	H. EJIRI+	JPJ,44,1978,655
6	150ND(ALPH,2*N)GAMMA	22MEV	2JAPOSA	T. KISHIMOTO+	JPJ,X,1978,X
6	162DY(ALPH,2*N)GAMMA	22MEV	2JAPOSA	T. KISHIMOTO+	JPJ,X,1978,X
6	172YB(ALPH,2*N)174HF	22MEV	2JAPOSA	T. KISHIMOTO+	JPJ,X,1978,X
6	164DY(3HE,3*N)GAMMA	25MEV	2JAPOSA	T. KISHIMOTO+	JPJ,X,1978,X
6	174YB(3HE,3*N)GAMMA	25MEV	2JAPOSA	T. KISHIMOTO+	JPJ,X,1978,X
7	40CA(3HE,3HE)36AR	120MEV	2JAPRCN	T. YAMAGATA+	PRL,40,1978,1628
7	40CA(3HE,3HE)40CA	120MEV	2JAPRCN	T. YAMAGATA+	PRL,40,1978,1628
8	165HO(P,X*N)Y*P	60MEV	2JAPOSA	H. EJIRI+	NP,X,X,X
9	185RE(P,4*N)182OS	40MEV	2JAPRCN	H. EJIRI+	PRP,X,X,X
9	182W(3HE,3*N)182OS	25MEV	2JAPRCN	H. EJIRI+	PRP,X,X,X
9	182W(3HE,3*N)182OS	31MEV	2JAPRCN	H. EJIRI+	PRP,X,X,X
9	184W(ALPH,6*N)182OS	90MEV	2JAPRCN	H. EJIRI+	PRP,X,X,X
9	176YB(14N,P)7*N	120MEV	2JAPRCN	H. EJIRI+	PRP,X,X,X
13	12C(P,P)12C	50MEV	2JAPRCN	K. HOSONO+	PRL,X,1978,X
14	114SN(3HE,ALPHA)113S	120MEV	2JAPRCN	M. TANAKA+	PL/B,X,X,X
14	116SN(3HE,ALPHA)115S	110MEV	2JAPRCN	M. TANAKA+	PL/B,X,X,X
14	118SN(3HE,ALPHA)117S	120MEV	2JAPRCN	M. TANAKA+	PL/B,X,X,X
14	120SN(3HE,ALPHA)119S	120MEV	2JAPRCN	M. TANAKA+	PL/B,X,X,X
15	1H(P,P)1H	52.34MEV	2JAPOSA	N. TAMURA+	JPJ/S,44,1978,28
16	28SI(P,P)28SI	65MEV	2JAPRCN	M. NAKAMURA+	JPJ/S,44,1978,55
17	1H(P,P)1H	4.978MEV	2JAPKTO	K. IMAI+	NP,A246,1975,76
18	100MO(14N,12B)102RU	95MEV	2JAPIPC	K. SUGIMOTO+	PRL,39,1977,323
19	100MO(14N,12B)102RU	90MEV	2JAPIPC	K. TANAKA+	JPJ,44,1978,825
20	12C(160,12C)12C		2JAPTSU	K. FURUNO+	JPJ/S,44,1978,24
21	128TE(P,T)126TE	22.0MEV	2JAPTSU	K. YAGI+	PRL,40,1978,161
21	110PD(P,T)108PD	22.0MEV	2JAPTSU	K. YAGI+	PRL,40,1978,161
23	12C(160,12C)160	23.7MEV	2JAPTSU	K. KATORI+	PRL,40,1978,1489
24	14N(D,D)14N	10.03MEV	2JAPOSA	Y. AOKI+	PL,61B,1976,437
25	104PD(P,T)102PD	52MEV	2JAPINS	K. YAGI+	PR,C15,1977,1178
25	108PD(P,T)106PD	52MEV	2JAPINS	K. YAGI+	PR,C15,1977,1178
25	110PD(P,T)108PD	52MEV	2JAPINS	K. YAGI+	PR,C15,1977,1178
26	122TE(P,T)120TE	51.9MEV	2JAPINS	M. MATOBA+	NP,A261,1976,223
26	124TE(P,T)122TE	51.9MEV	2JAPINS	M. MATOBA+	NP,A261,1976,223
26	126TE(P,T)124TE	51.9MEV	2JAPINS	M. MATOBA+	NP,A261,1976,223
26	128TE(P,T)126TE	51.9MEV	2JAPINS	M. MATOBA+	NP,A261,1976,223
26	130TE(P,T)128TE	51.9MEV	2JAPINS	M. MATOBA+	NP,A261,1976,223
27	53CR(14N,9BE)	90MEV	2JAPIPC	ISAO KOHNO+	JPJ,42,1977,1
27	53CR(14N,10B)	90MEV	2JAPIPC	ISAO KOHNO+	JPJ,42,1977,1
27	53CR(14N,11B)	90MEV	2JAPIPC	ISAO KOHNO+	JPJ,42,1977,1
27	53CR(14N,12C)	90MEV	2JAPIPC	ISAO KOHNO+	JPJ,42,1977,1
27	53CR(14N,13C)	90MEV	2JAPIPC	ISAO KOHNO+	JPJ,42,1977,1
27	52CR(14N,13C)53MN	70MEV	2JAPIPC	ISAO KOHNO+	JPJ,42,1977,1

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27	52CR(14N,12C)54MN	70MEV	2JAPIPC	ISAO KOHNO+	JPJ,42,1977,1
28	52CR(14N,X)X	95MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	53CR(14N,X)X	90MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	92MO(14N,X)X	97MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	94MO(14N,X)X	97MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	95MO(14N,X)X	97MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	96MO(14N,X)X	97MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	97MO(14N,X)X	97MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	98MO(14N,X)X	97MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	100MO(14N,X)X	97MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	92MO(12C,X)X	90MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
28	90ZR(14N,X)X	75MEV	2JAPIPC	T.MIKUMO+	PR/C,14,1976,145
29	9BE(D,D)9BE	12.35MEV	2JAPKTO	S.TANAKA+	JPJ,45,1978,733
30	92MO(D,D)92MO	21.5MEV	2JAPIPC	TAKASHI WADA	NP/A,307,1978,42
31	12C(3HE,3HE)12C	24.0MEV	2JAPIPC	TAKASHI FUJI	JPJ,34,1973,5
32	100MO(T,P)102MO	15.8MEV	2JAPIPC	SHIGERU TAKE	JPJ,34,1973,1115
33	63CU(T,P)65CU	3.0MEV		Y.IWASAKI+	NCL,15,1976,439
33	65CU(T,P)67CU	3.2MEV		Y.IWASAKI+	NCL,15,1976,439
34	63CU(T,P)65CU	3.2MEV	2JAPNAI	Y.IWASAKI+	PR/C,13,1976,556
34	65CU(T,P)67CU	3.2MEV	2JAPNAI	Y.IWASAKI+	PR/C,13,1976,556
37	28SI(P,D)27SI	51.9MEV	2JAPINS	H.OHNUMA+	JPSJ,42,1977,382
37	180(P,D)170	51.9MEV	2JAPINS	H.OHNUMA+	JPSJ,42,1977,382
38	12C(P,T)10C	51.9MEV	2JAPINS	MASAHARU YAS	JPJ,42,1977,367
38	12C(P,3HE)10B	51.9MEV	2JAPINS	MASAHARU YAS	JPJ,42,1977,367
39	4HE(D,P)ALPHA	8.9MEV	2JAPTOK	K.SAGARA+	JPJ,42,1977,732
40	2H(ALPH,P)ALPHA	18MEV	2JAPIPC	K.SAGARA+	NP/A,273,1976,49
41	160(14N,14N)160	79MEV	2JAPIPC	T.MOTOBAYASH	PRL,36,1976,390
41	160(14N,13N)170	79MEV	2JAPIPC	T.MOTOBAYASH	PRL,36,1976,390
41	160(14N,13C)17F	79MEV	2JAPIPC	T.MOTOBAYASH	PRL,36,1976,390
42	19F(160,160)19F	21.4MEV	2JAPTOK	T.MOTOBAYASH	PL/B,59,75,421
44	50TI(P,P)		2JAPTIT	T.NOJIRI+	JPSJ,37,1974,147
48	130TE(P,P)	51.9MEV	2JAPINS	M.MATOBA+	PL/B,44,1973,159
49	11B(P,ALPHA)8BE		2JAPKTO	K.FUKUNAGA+	JPSJ,42,1977,725
52	15OSM(P,N)N		2JAPIMS	H.NAKAYAMA+	NP/A,293,1977,13
54	209BI(P,N)		INS	KAZUMASA MIY	JPJ,45,1978,1071
55	209BI(P,GAMMA)210PO		2JAPINS	KAZUMASA MIY	JPJ,35,1973,1277
57	27AL(P,T)22NA		2JAPINS	KAZUMASA MIY	JPJ,34,1973,853
57	27AL(P,X)24NA		2JAPINS	KAZUMASA MIY	JPJ,34,1973,853
57	27AL(P,7BE)X		2JAPINS	KAZUMASA MIY	JPJ,34,1973,853
58	209BI(P,N)209PO		2JAPINS	KAZUMASA MIY	JPJ,35,1973,953
58	209BI(P,2*N)208PO		2JAPINS	KAZUMASA MIY	JPJ,35,1973,953
60	91ZR(P,N)GAMMA		2JAPKYU	S.MATSUKI+	NP/A,201,1973,60
63	27AL(D,D)25MG	5.7MEV(8.0	2JAPKTO	TAKESI KOMAT	JPJ,39,1975,1152
64	H(P,P)GAMMA	51.8MEV	2JAPINS	J.SANADA+	NP/A,203,1973,38
64	2H(P,2*P)N	51.8MEV	2JAPINS	J.SANADA+	NP/A,203,1973,38
65	69GA(P,N)GAMMA		2JAPKYU	AKIRA ISOYA+	JPJ,35,1973,341
66	92ZR(P,N)GAMMA		2JAPKYU	I.KUMABE+	NP/A,218,1974,20
67	28SI(3HE,D)29P	29.3MEV	2JAPIPC	KATSJI KOYAM	JSJ,43,1977,755
71	116SN(P,ALPHA)113IN	22.0MEV	2JAPTSU	Y.TAGISHI+	PRL,41,1978,16
71	112CD(P,ALPHA)109AG	22.0MEV	2JAPTSU	Y.TAGISHI+	PRL,41,1978,16
74	FE(ALPH,X)59NI		2JAPIPC	SHOHEI YANAG	NP/A,303,1978,25
75	12C(160,ALPHA)24MG		2JAPKTO	JUN SCHIMIZU	JPJ,44,1978,7
75	12C(160,160)12C		2JAPKTO	JUN SCHIMIZU	JPJ,44,1978,7
76	58NI(P,D)57NI	SOMEV	2JAPRCN	H.IKEGAMI+	NP/A,329,1979,84
76	60NI(P,D)59NI	SOMEV	2JAPRCN	H.IKEGAMI+	NP/A,329,1979,84

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76	62NI(P,D)61NI	50MEV	2JAPRCN	H. IKEGAMI+	NP/A,329,1979,84
76	64NI(P,D)63NI	50MEV	2JAPRCN	H. IKEGAMI+	NP/A,329,1979,84
77	4HE(P,P)4HE	45.0MEV	2JAPPCN	K. IMAI+	NP/A,325,1979,39
78	2H(ALPH,P)ALPHA	18MEV	2JAPIPC	K. SAGARA+	NP/A,299,1978,77
79	28SI(P,P)28SI	51.9MEV	2JAPINS	YOSHIYUKI TO	JPJ,45,1978,367
79	29SI(P,P)29SI	51.9MEV	2JAPINS	YOSHIYUKI TO	JPJ,45,1978,367
79	30SI(P,P)30SI	51.9MEV	2JAPINS	YOSHIYUKI TO	JPJ,45,1978,367
80	112SN(P,D)111SN	55.0MEV	2JAPRCN	H. TAKETANI+	PL/B,90,1980,214
80	114SN(P,D)113SN	55MEV	2JAPRCN	H. TAKETANI+	PL/B,90,1980,214
80	116SN(P,D)115SN	55MEV	2JAPRCN	H. TAKETANI+	PL/B,90,1980,214
80	118SN(P,D)117SN	55MEV	2JAPRCN	H. TAKETANI+	PL/B,90,1980,214
80	120SN(P,D)119SN	55MEV	2JAPRCN	H. TAKETANI+	PL/B,90,1980,214
80	122SN(P,D)12SN	55MEV	2JAPRCN	H. TAKETANI+	PL/B,90,1980,214
80	124SN(P,D)123SN	55MEV	2JAPRCN	H. TAKETANI+	PL/B,90,1980,214
81	12C(12C,16O)8BE		2JAPKYU	R. WADA+	PRL,38,1977,1341
81	12C(12C,12C)12C		2JAPKYU	R. WADA+	PRL,38,1977,1341
82	92MO(P,P)92MO	61.2MEV	1USAORU	A. SCOTT+	NP/A,357,1981,9
82	90ZR(P,P)90ZR	61.2MEV	1USAORU	A. SCOTT+	NP/A,357,1981,9
83	208PB(P,T)206PB	22.0MEV	2JAPTSU	Y. TOBA+	PR/C,20,1979,120
84	100RU(P,T)98RU	22.0MEV	2JAPTSU	K. YAGI+	PRL,43,1979,1087
84	104PD(P,T)102PD	22.0MEV	2JAPTSU	K. YAGI+	PRL,43,1979,1087
84	110(P,T)10	22.0MEV	2JAPTSU	K. YAGI+	PRL,43,1979,1087
84	128TE(P,T)126TE	21.0MEV	2JAPTSU	K. YAGI+	PRL,43,1979,1087
84	144ND(P,T)142ND	22.0MEV	2JAPTSU	K. YAGI+	PRL,43,1979,1087
85	14N(P,P)14N	21.0MEV	2JAPTSU	YASUO AOKI+	JPJ,47,1979,329
85	14N(P,D)13N	21.0MEV	2JAPTSU	YASUO AOKI+	JPJ,47,1979,329
86	100RU(P,T)98RU	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
86	104PD(P,T)102PD	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
86	110PD(P,T)108PD	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
86	116CD(P,T)114CD	22MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
86	118SN(P,T)116SN	22MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
86	122TE(P,T)120TE	22MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
86	128TE(P,T)126TE	22MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
87	48CA(3HE,3HE)48CA	82KEV	2JAPINS	T. TANABE+	NP/A,311,1978,38
87	48CA(3HE,ALPHA)47CA	82MEV	2JAPINS	T. TANABE+	NP/A,311,1978,38
87	48CA(3HE,D)49SC	82MEV	2JAPINS	T. TANABE+	NP/A,311,1978,38
87	48CA(3HE,T)48SC	82MEV	2JAPINS	T. TANABE+	NP/A,311,1978,38
90	9BE(D,T)8BE	12.35MEV	2JAPKTO	SEIJI TANAKA	JPJ,44,1978,1405
90	9BE(D,ALPHA)7LI	12.35MEV	2JAPKTO	SEIJI TANAKA	JPJ,44,1978,1405
91	14N(D,D)	10.03MEV	2JAPOSA	Y. AOKI+	NP/A,322,1979,11
91	14N(P,D)15N	10.03MEV	2JAPOSA	Y. AOKI+	NP/A,322,1979,11
91	14N(D,D)14N	14.82MEV	2JAPOSA	Y. AOKI+	NP/A,322,1979,11
92	60NI(P,ALPHA)57CO	22.0MEV	2JAPTSU	T. TAHISHI+	PL/B,82,1979,353
92	62NI(P,ALPHA)59CO	22.0MEV	2JAPTSU	T. TAHISHI+	PL/B,82,1979,353
93	40CA(3HE,3HE)40CA	109.2MEV	2JAPRCN	M. HYAKUTAKE+	NP/A,311,1978,16
93	90ZR(3HE,3HE)90ZR	109.2MEV	2JAPRCN	M. HYAKUTAKE+	NP/A,311,1978,16
93	116SN(3HE,3HE)116SN	109.2MEV	2JAPRCN	M. HYAKUTAKE+	NP/A,311,1978,16
93	58NI(3HE,3HE)58NI	89.3MEV	2JAPRCN	M. HYAKUTAKE+	NP/A,311,1978,16
94	55MN(P,P)55MN		2JAPKYU	TAKASHI MAKI	JPJ,44,1978,16
97	64ZN(P,3#N)62GA		2JAPINS	R. CHIBA+	PR/C,17,1978,221
99	3HE(3HE,3HE)P	120MEV	2JAPRCN	KIYOJI FUKUN	JPJ,45,1978,1783
99	3HE(3HE,3HE)D	120MEV	2JAPRCN	KIYOJI FUKUN	JPJ,45,1978,1783
101	12C(16O,12C)12C		2JAPTSU	KOHEI FURUNO	NP/A,321,1979,25
104	D(3HE,P)4HE	6.0MEV	2JAPOSA	SYOHEI KATO+	JPJ,34,1973,1128
106	52CR(ALPH,D)54MN	24.0MEV	2JAPOSA	JUN-ICHI KAW	JPJ,37,1974,789

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107	11B(D,P)12B	1.313.0MEV	2JAPOSA	M.TANAKA+	NP/A,263,1976,1
108	204PB(P,T)202PB	51.9MEV	2JAPINS	H.ORIHARA+	PR/C,9,1974,266
108	206PB(P,T)204PB	51.9MEV	2JAPINS	H.ORIHARA+	PR/C,9,1974,266
108	208PB(P,T)206PB	51.9MEV	2JAPINS	H.ORIHARA+	PR/C,9,1974,266
109	20NE(160,160)20NE	94.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(160,160)160	95.2MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(14N,14N)160	76.2MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	20NE(12C,12C)20NE	77.4MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	20NE(10B,10B)20NE	65.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(12C,12C)160	76.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	12C(14N,14N)12C	78.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(10B,10B)160	65.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	10B(14N,14N)10B	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19	
109	20NE(160,15N)21NA	94.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(160,15N)17F	95.2MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(12C,11B)17F	76.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(14N,15O)15N	76.2MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	10B(14N,13C)11C	93.6MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	20NE(160,20NE)160	94.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(12C,16O)12C	76.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(160,12C)20NE	95.2MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	12C(14N,10B)16O	78.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	160(14NE,10B)20BE	76.2MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	10B(14N,10B)14N	73.9MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
109	12C(14N,7BE)19F	78.8MEV	2JAPIPC	T.MOTOBAYASH	NP/A,331,1979,19
110	122TE(P,T)120TE	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
110	124TE(P,T)122TE	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
110	126TE(P,T)124TE	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
110	128TE(P,T)126TE	2JAPINS	K.YAGI+	PL/B,44,1973,447	
110	130TE(P,T)128TE	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
110	118SN(P,T)116SN	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
110	116SN(P,T)114SN	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
110	116CD(P,T)114CD	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
110	114CD(P,T)112CD	52MEV	2JAPINS	K.YAGI+	PL/B,44,1973,447
111	12C(3HE,3HE)12C	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	90ZR(3HE,3HE)90ZR	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	92ZR(3HE,3HE)92ZR	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	58NI(3HE,3HE)58NI	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	60NI(3HE,3HE)60NI	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	62NI(3HE,3HE)62NI	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	64NI(3HE,3HE)64NI	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	59CO(3HE,3HE)59CO	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
111	27AL(3HE,3HE)27AL	119MEV	2JAPRCN	M.HYAKUTAKE+	NP/A,333,1980,1
112	76GE(P,P)76GE	2JAPKYU	K.KIMURA+	NP/A,336,1980,24	
112	76GE(P,N)76AS	2JAPKYU	K.KIMURA+	NP/A,336,1980,24	
113	145ND(P,N)GAMMA	2JAPOSA	T.SHIBATA+	NP/A,257,1976,30	
113	144ND(3HE,D)145PM	35.2MEV	2JAPOSA	T.SHIBATA+	NP/A,257,1976,30
115	4HE(ALPHA)ALPHA)D	119MEV	2JAPRCN	SHIGERU KAKI	JPJ,48,1980,1797
116	87SR(P,N)GAMMA	2JAPKYU	NOZOMI TAKAG	NP/A,346,1980,93	
117	79BR(P,N)GAMMA	2JAPKYU	KOUICHI TOYO	JPJ,49,1980,435	
118	72GE(P,N)72AS	2JAPKYU	KIKUO KIMURA	NP/A,272,1976,38	
119	74GE(P,N)74AS	2JAPKYU	K.KIMURA+	NP/A,213,1973,61	
122	134BA(P,T)132BA	52MEV	2JAPINS	H.KUSAKARI+	NP/A,341,1980,20
122	136BA(P,T)134BA	52MEV	2JAPINS	H.KUSAKARI+	NP/A,341,1980,20
122	138BA(P,T)136BA	52MEV	2JAPINS	H.KUSAKARI+	NP/A,341,1980,20

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125	27AL(PIN,N)		2JAPKEK	S.MATSUKI+	PL/B,84,1979,67
125	56FE(PIN,N)		2JAPKEK	S.MATSUKI+	PL/B,84,1979,67
125	114CD(PIN,N)		2JAPKEK	S.MATSUKI+	PL/B,84,1979,67
125	208PB(PIN,N)		2JAPKEK	S.MATSUKI+	PL/B,84,1979,67
126	76SE(P,P)76SE		2JAPINS	M.MATOBA+	NP/A,325,1979,38
126	78SE(P,P)78SE		2JAPINS	M.MATOBA+	NP/A,325,1979,38
126	80SE(P,P)80SE		2JAPINS	M.MATOBA+	NP/A,325,1979,38
126	82SE(P,P)82SE		2JAPINS	M.MATOBA+	NP/A,325,1979,38
131	152SM(14N,P)7*N			H.YAMADA+	PRL,43,1979,605
131	152SM(14N,D)6*N			H.YAMADA+	PRL,43,1979,605
131	152SM(14N,T)5*N			H.YAMADA+	PRL,43,1979,605
131	154SM(14N,P)9*N			H.YAMADA+	PRL,43,1979,605
131	154SM(14N,D)8*N			H.YAMADA+	PRL,43,1979,605
131	154SM(14N,T)7*N			H.YAMADA+	PRL,43,1979,605
131	148ND(19F,P)8*N			H.YAMADA+	PRL,43,1979,605
132	86SR(ALPH,2*N)GAMMA	28MEV	2JAPTOK	T.NUMAO+	JPJ,46,1979,361
133	86SR(ALPH,N GAMMA)89		2JAPTOK	T.NUMAO+	JPJ,47,1979,365
133	87SR(ALPH,2*N GAMM)8		2JAPTOK	T.NUMAO+	JPJ,47,1979,365
134	24MG(P,N)24AL		2JAPTOK	T.SHIBATA+	JPJ,47,1979,33
137	120SN(P,N)GAMMA		2JAPINS	MINORU ADACH	NP/A,314,1979,80
139	110PD(ALPH,3*N)111CD	35MEV	2JAPINS	S.OHYA+	NP/A,325,1979,40
139	108PD(ALPH,3*N)109CD		2JAPINS	S.OHYA+	NP/A,325,1979,40
139	106PD(ALPH,3*N)107N		2JAPINS	S.OHYA+	NP/A,325,1979,40
140	75AS(P,2*N)GAMMA	21MEV	2JAPINS	N.YOSHIKAWA+	NP/A,327,1979,47
140	79BR(P,2*N)GAMMA	21MEV	2JAPINS	N.YOSHIKAWA+	NP/A,327,1979,47
140	81BR(P,2*N)GAMMA	21MEV	2JAPINS	N.YOSHIKAWA+	NP/A,327,1979,47
140	85RB(P,2*N)GAMMA	21MEV	2JAPINS	N.YOSHIKAWA+	NP/A,327,1979,47
141	D(D,D)D		2JAPKTO	AKIRA OKIHAN	JPJ,46,1979,707
141	D(D,P)T		2JAPKTO	AKIRA OKIHAN	JPJ,46,1979,707
141	D(D,3HE)N		2JAPKTO	AKIRA OKIHAN	JPJ,46,1979,707
142	78KR(P,P)78KR	51.9MEV	2JAPINS	N.SAKAMOTO+	PL/B,83,1979,39
142	80KR(P,P)80KR	51.9MEV	2JAPINS	N.SAKAMOTO+	PL/B,83,1979,39
142	82KR(P,P)82KR	51.9MEV	2JAPINS	N.SAKAMOTO+	PL/B,83,1979,39
142	84KR(P,P)84KR	51.9MEV	2JAPINS	N.SAKAMOTO+	PL/B,83,1979,39
142	86KR(P,P)86KR	51.9MEV	2JAPINS	N.SAKAMOTO+	PL/B,83,1979,39
143	190OS(GAMM,P)189RE		2JAPJAE	MASANOBU SAK	JPJ,46,1979,1067
144	159TB(14N,ALPHA)3*N		2JAPIPC	T.INAMURA+	PL/B,84,1979,71
144	159TB(14N,ALPHA)4*N		2JAPIPC	T.INAMURA+	PL/B,84,1979,71
144	159TB(14N,ALPHA)5*N		2JAPIPC	T.INAMURA+	PL/B,84,1979,71
145	197AU(19F,12B)			M.ISHIHARA+	PRL,43,1979,111
150	56FE(P,T)54FE	51.94MEV	2JAPINS	T.SUEHIRO+	NP/A,220,1974,46
151	185RE(P,X*N)OS	44MEV	2JAPINS	HIROKANE KAW	JPJ,36,1974,623
153	60NI(P,P)60NI		2JAPTIT	MONORU ADACH	JPJ,36,1974,1266
154	208PB(3HE,ALPHA)207P	81.7MEV	2JAPINS	M.SAKAI+	PL/B,51,1974,51
154	92MO(3HE,ALPHA)91MO		2JAPINS	M.SAKAI+	PL/B,51,1974,51
155	160(P,T)140	51.9MEV	2JAPINS	S.KUBONO+	JPJ,39,1975,1407
158	14N(3HE,N)P	6.5MEV	2JAPTIT	T.OTSUBO+	NP/A,259,1976,45
158	14N(3HE,N)P	7.0MEV	2JAPTIT	T.OTSUBO+	NP/A,259,1976,45
158	14N(3HE,N)P	7.8MEV	2JAPTIT	T.OTSUBO+	NP/A,259,1976,45
159	208PB(P,P)N		2JAPINS	H.KAWAKAMI+	NP/A,262,1976,52
159	208PB(P,P)2*N		2JAPINS	H.KAWAKAMI+	NP/A,262,1976,52
160	25MG(P,GAMMA)26AL	0.956MEV	2JAPTIT	MITSunORI AK	JPJ,40,1976,307
160	27AL(P,GAMMA)28SI	0.922MEV	2JAPTIT	MITSunORI AK	JPJ,40,1976,307
161	108PD(P,N GAMMA)108A		2JAPTIT	TOSHUYUKI HA	JPJ,41,1976,1830
161	110PD(P,N GAMMA)110A		2JAPTIT	TOSHIYUKI HA	JPJ,41,1976,1830

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164	146ND(3HE,ALPHA)145N	81.6MEV	2JAPINS	M.SEKIGUCHI+	PRL,38,1977,1015
164	148ND(3HE,ALPHA)147N	81.6MEV	2JAPINS	M.SEKIGUCHI+	PRL,38,1977,1015
164	148SM(3HE,ALPHA)147S	81.6MEV	2JAPINS	M.SEKIGUCHI+	PRL,38,1977,1015
164	150SM(3HE,ALPHA)149S	81.6MEV	2JAPINS	M.SEKIGUCHI+	PRL,38,1977,1015
164	152SM(3HE,ALPHA)151S	81.6MEV	2JAPINS	M.SEKIGUCHI+	PRL,38,1977,1015
164	154SM(3HE,ALPHA)153S	81.6MEV	2JAPINS	M.SEKIGUCHI+	PRL,38,1977,1015
165	14N(P,T)12N		2JAPINS	H.YOKOMIZO+	PL/B,61,1976,245
165	14N(P,3HE)12C		2JAPINS	H.YOKOMIZO+	PL/B,61,1976,245
168	54FE(P,ALPHA)51MN	21.0MEV	2JAPTSU	YOSHIHIRO TA	JPJ,47,1979,1735
170	58NI(D,6LI)54FE	54.25MEV	2JAPRCN	T.YAMAYA+	PL/B,90,1980,219
170	40CA(D,6LI)36AR	54.25MEV	2JAPRCN	T.YAMAYA+	PL/B,90,1980,219
170	24MG(D,6LI)20NE	54.25MEV	2JAPRCN	T.YAMAYA+	PL/B,90,1980,219
170	160(D,6LI)12C	54.25MEV	2JAPRCN	T.YAMAYA+	PL/B,90,1980,219
170	12C(D,6LI)8BE	54.25MEV	2JAPRCN	T.YAMAYA+	PL/B,90,1980,219
171	141PR(ALPH,2*N)143PM		2JAPOSA	TOKUSHI SHIB	JPJ,35,1973,633
172	162DY(ALPH,6*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
172	162DY(ALPH,7*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
172	162DY(ALPH,8*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
172	162DY(ALPH,9*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
172	164DY(ALPH,6*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
172	164DY(ALPH,7*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
172	164DY(ALPH,8*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
172	164DY(ALPH,9*N)GAMMA	110MEV	2JAPRCN	T.KISHIMOTO+	NP/A,337,1980,49
173	90ZR(P,P)90ZR	65MEV	2JAPRCN	Y.FUJITA+	PL/B,98,1981,175
178	6LI(P,P)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	181TA(P,P)X	400GEV: TH	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	181TA(P,D)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	181TA(P,T)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	181TA(P,3HE)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	181TA(P,4HE)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	181TA(P,PI)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	181TA(P,PIN)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	9BE(P,PI)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	9BE(P,P)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	9BE(P,D)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	9BE(P,T)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	C(P,PI)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	C(P,P)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	C(P,D)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	C(P,T)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	AL(P,PI)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	AL(P,P)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	AL(P,D)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	AL(P,T)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	CU(P,PI)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	CU(P,P)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	CU(P,D)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
178	CU(P,T)X	400GEV	1USANAL	Y.D.BAYUKOV+	PL/B,27,1979,315
179	9BE(P,PI)10BE	800MEV	1USALAS	BO HOEISTAD+	PRL,43,1979,487
179	9BE(P,PIN)10C	800MEV	1USALAS	BO HOEISTAD+	PRL,43,1979,487
180	207PB(D,P)208PB			D.J.HOREN+	PR,19,1979,549
182	P(P,P)GAMMA		1USALBL	B.M.K.NEFKEN	PR/C,19,1979,877
182	P(P,P)P		1USALBL	B.M.K.NEFKEN	PR/C,19,1979,877
185	10B(P,GAMMA)11C	1.11MEV	2SFHLS	A.ANTTILA+	PR/C,20,1979,920
185	7LI(ALPH,GAMMA)11B	0.96MEV	2SFHLS	A.ANTTILA+	PR/C,20,1979,920

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188	160(P,GAMMA)	12.707MEV	2UKOXF	F.M.KHAN+	NP/A,322,1979,33
188	160(P,GAMMA)	14.435MEV	2UKOXF	F.M.KHAN+	NP/A,322,1979,33
190	22NE(P,GAMMA)23NA	1.10[1.91M	3SAFPOT	J.J.A.SMITH+	NP/A,318,1979,11
192	28SI(P,GAMMA)	1.5MEV	2ITYPAD	F.TERRASI+	NP/A,324,1979,1
192	28SI(P,GAMMA)	1.6MEV	2ITYPAD	F.TERRASI+	NP/A,324,1979,1
193	42CA(P,GAMMA)43SC	0.66[5.39M	1CANMCM	C.W.CHENG+	JP/G,5,1979,1261
193	44CA(P,N)44SC	4.49[7.57M	1CANMCM	C.W.CHENG+	JP/G,5,1979,1261
194	48CA(P,GAMMA)49SC		3AULAML	S.R.KENNETT+	JP/GJP/G,5,1979,
194	48CA(P,N)48SC		3AULAML	S.R.KENNETT+	JP/GJP/G,5,1979,
196	50TI(P,GAMMA)51V		2SWDLND	B.ERLANDSSON	NP/A,329,1979,1
197	52CR(P,GAMMA)53MN		3HUNKFI	I.FODOR+	JP/G,5,1979,1267
198	28SI(P,P)X	65MEV	2JAPRCN	H.SAKAI+	PRL,44,1980,1193
198	28SI(P,D)X	65MEV	2JAPRCN	H.SAKAI+	PRL,44,1980,1193
198	58NI(P,P)X	65MEV	2JAPRCN	H.SAKAI+	PRL,44,1980,1193
198	58NI(P,D)X	65MEV	2JAPRCN	H.SAKAI+	PRL,44,1980,1193
198	209BI(P,P)X	65MEV	2JAPRCN	H.SAKAI+	PRL,44,1980,1193
198	209BI(P,D)X	65MEV	2JAPRCN	H.SAKAI+	PRL,44,1980,1193
198	209BI(P,ALPHA)X	65MEV	2JAPRCN	H.SAKAI+	PRL,44,1980,1193
201	12C(12C,16O)8BE		2JAPKTO	R.WADA+	PR/C,22,1980,557
202	54CR(P,GAMMA)55MN		3AULAML	R.J.WILKINSO	AUJ,32,1979,335
203	62NI(P,GAMMA)63CU		2FR STR	G.VOURVOPOUL	PR/C,19,1979,38
204	56FE(P,GAMMA)57CO		1CANLUQ	C.RANGACHARY	PR/C,19,1979,176
205	54FE(P,P)54FE		2JAPTIT	E.ARAI+	NP/A,324,1979,63
205	54FE(P,P)GAMMA		2JAPTIT	E.ARAI+	NP/A,324,1979,63
205	54FE(P,GAMMA)55CO		2JAPTIT	E.ARAI+	NP/A,324,1979,63
206	70GE(P,GAMMA)71AS			G.SZEFLINSK+	NP/A,323,1979,25
206	72GE(P,GAMMA)73AS			G.SZEFLINSK+	NP/A,323,1979,25
206	74GE(P,GAMMA)75AS			G.SZEFLINSK+	NP/A,323,1979,25
206	84SR(P,GAMMA)85Y			G.SZEFLINSK+	NP/A,323,1979,25
206	86SR(P,GAMMA)87Y			G.SZEFLINSK+	NP/A,323,1979,25
206	88SR(P,GAMMA)89Y			G.SZEFLINSK+	NP/A,323,1979,25
206	89Y(P,GAMMA)90ZR			G.SZEFLINSK+	NP/A,323,1979,25
208	115IN(P,GAMMA)	8MEV	2FRSTR	F.RIGAUD+	NP/A,326,1979,26
208	110CD(P,GAMMA)	8[22MEV	2FRSTR	F.RIGAUD+	NP/A,326,1979,26
209	92ZR(P,N)	5.055MEV	1USAKTY	D.E.MIRACLE+	NP/A,320,1979,35
209	94ZR(P,N)		1USAKTY	D.E.MIRACLE+	NP/A,320,1979,35
209	94MO(P,N)		1USAKTY	D.E.MIRACLE+	NP/A,320,1979,35
209	94MO(P,GAMMA)		1USAKTY	D.E.MIRACLE+	NP/A,320,1979,35
209	96MO(P,N)		1USAKTY	D.E.MIRACLE+	NP/A,320,1979,35
209	96MO(P,GAMMA)		1USAKTY	D.E.MIRACLE+	NP/A,320,1979,35
209	98MO(P,N)		1USAKTY	D.E.MIRACLE+	NP/A,320,1979,35
213	10B(P,PIP)11B	179.0MEV	X	B.HOEISTAD+	NP/A,319,1979,40
215	90ZR(P,PIP)91ZR			B.HOEISTAD+	PL,79,1978,385
215	208PB(P,PIP)209PB			B.HOEISTAD+	PL,79,1978,385
217	14C(P,N)14N	35MEV	1USAMSU	R.R.DOERING+	PR/C,20,1979,162
218	6LI(P,N)6BE	144MEV	1USAINU	G.L.MOAKE+	PRL,43,1979,910
218	12C(P,N)12N	144MEV	1USAINU	G.L.MOAKE+	PRL,43,1979,910
218	14N(P,N)14O	144MEV	1USAINU	G.L.MOAKE+	PRL,43,1979,910
219	10B(P,PIP)11B	145.4MEV	1USAINU	P.H.PILE+	PRL,42,1979,1461
219	40CA(P,PIP)41CA		1USAINU	P.H.PILE+	PRL,42,1979,1461
220	79BR(P,N)79KR		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	79BR(P,3*N)77KR		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	79BR(P,4*N)76KR		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	79BR(P,P)N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	79BR(P,P)2*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175

D#	REACTION UNIT	ENERGY RANGE	LAB	AUTHOR	REFERENCE
220	79BR(P,P)3*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	79BR(P,P)4*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	79BR(P,P)5*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,3*N)79KR		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,5*N)77KR		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,6*N)76KR		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,P)N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,P)3*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,P)4*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,P)5*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
220	81BR(P,P)6*N		1CANMCG	M.DIKSIC+	PR/C,19,1979,175
221	26MG(P,N)26AL		1CANMCM	J.D.KING+	CJP,57,1979,286
222	42CA(P,N)42SC	9.3MEV	1CANCR	K.P.JACKSON+	CJP,57,1979,411
222	46TI(P,N)46V	9.3MEV	1CANCR	K.P.JACKSON+	CJP,57,1979,411
223	40AR(P,P)40AR		3NZLNZA	D.J.BEALE+	AUJ,32,1979,195
223	40AR(P,N)40K		3NZLNZA	D.J.BEALE+	AUJ,32,1979,195
224	85RB(P,N)GAMMA		3INDSAH	S.K.BASU+	JP/G,5,1979,585
226	12C(P,P)12C	61.8MEV	1USAINU	C.A.GOULding	NP/A,331,1979,29
226	12C(P,N)12N	61.8MEV	1USAINU	C.A.GOULding	NP/A,331,1979,29
227	98MO(P,N)98TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	92ZR(P,N)92NB		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	94ZR(P,N)94NB		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	94MO(P,N)94TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	95MO(P,N)95TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	96MO(P,N)96TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	92ZR(P,N)92NB		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	94ZR(P,N)94NB		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	94MO(P,N)94TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	95MO(P,N)95TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	96MO(P,N)96TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
227	98MO(P,N)98TC		1USAkTY	D.S.FLYNN+	PR/C,20,1979,170
228	D(P,P)D	630MEV	X	K.H.MURTAZAE	X,27,1978,336
229	P(ALPHA,ALPHA)P		4ZZZDUB	G.G.BEZNOKIK	SNP,27,1978,380
230	181TA(N,N)181TA		4CCPFEI	N.S.BIRYUKOV	SNP,26,1978,606
230	181TA(P,N)181W		4CCPFEI	N.S.BIRYUKOV	SNP,26,1978,606
233	138BA(P,N)138LA	10MEV	2GERUEN	R.BOEHM+	ZP/A,291,1979,49
234	144SM(D,N)145EU	11MEV	2GERUEN	W.KLINGER+	ZP/A,290,1979,22
234	148SM(D,N)149EU	11MEV RSD	2GERUEN	W.KLINGER+	ZP/A,290,1979,22
234	146SM(P,N)147EU	11MEV RSD	2GERUEN	W.KLINGER+	ZP/A,290,1979,22
238	13C(P,P)13C		1CANMCM	H.R.WELLER+	PR/C,18,1978,112
239	3HE(P,P)3HE	2.30MEV	2SWTETH	G.SZALOKY+	NP/A,303,1978,51
240	D(P,P)D	10.0MEV	2SWTETH	W.GRUEBLER+	PL/B,74,1978,173
240	P(D,D)P	20MEV	2SWTETH	W.GRUEBLER+	PL/B,74,1978,173
241	12C(P,P)12C	800MEV	1USALAS	G.W.HOFFMAN+	PRL,40,1978,1256
241	58NI(P,P)58NI	800MEV	1USALAS	G.W.HOFFMAN+	PRL,40,1978,1256
241	90ZR(P,P)90ZR	800MEV	1USALAS	G.W.HOFFMAN+	PRL,40,1978,1256
241	208PB(P,P)208PB	800MEV	1USALAS	G.W.HOFFMAN+	PRL,40,1978,1256
242	13C(P,P)13C		1CANMCM	H.R.WELLER+	PR/C,18,1978,112
243	12C(P,P)12C	65MEV	2JAPRCN	SYOHEI KATO+	NIM,169,1980,589
244	27AL(3HE,D)28SI	25.8MEV	2JAPOSA	SYOHEI KATO+	JPJ,50,1981,1440
245	58NI(P,ALPHA)55CO	22MEV	2JAPTSU	Y.TAGISHI+	NP/A,339,1980,26
245	60NI(P,ALPHA)57CO	22MEV	2JAPTSU	Y.TAGISHI+	NP/A,339,1980,26
245	62NI(P,ALPHA)59CO	22MEV	2JAPTSU	Y.TAGISHI+	NP/A,339,1980,26
250	4HE(P,D)3HE		1CANUBC	J.KAELLNE+	PRL,41,1978,1638
252	1H(P,P)1H	350.03KEV	2SWTZUR	C.H.THOMANN+	NP/A,303,1978,45

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253	44CA(P,P)44CA			A.M.LANE+	PRL,41,1978,454
254	4HE(D,P)N	6.78MEV	2JAPKTO	T.NORO+	77TOKYO,1977,,
256	208PB(P,P)208PB	800MEV	1USALAS	G.S.BLANPIED	PR/C,18,1978,143
256	12C(P,P)12C	800MEV	1USALAS	G.S.BLANPIED	PR/C,18,1978,143
256	13C(P,P)13C	800MEV	1USALAS	G.S.BLANPIED	PR/C,18,1978,143
257	58NI(P,P)58NI	100.4MEV	1USAMRY	K.KWIATKOWSK	NP/A,301,1978,34
258	P(P,P)P	1030MEV	1USAANL	M.L.MARSHAK+	PR/C,18,1978,331
258	N(P,P)N	1030MEV	1USAANL	M.L.MARSHAK+	PR/C,18,1978,331
259	4HE(P,4HE)P	1.05GEV	2FRSAC	J.BERGER+	PRL,41,1978,152
260	70GE(P,P)70GE		1USAOSU	G.H.TERRY+	PRL,41,1978,934
260	70GE(P,P)GAMMA	4.93[5.18M	1USAOSU	G.H.TERRY+	PRL,41,1978,934
263	4HE(P,P)4HE	2.68GEV	1USABRK	M.A.NASSER+	NP/A,312,1978,20
265	3HE(P,P)3HE	25.0MEV	2GERHAM	D.MULLER+	NP/A,311,1978,1
266	1H(P,P)1H		1CANCAN	L.G.GREENIAU	NP/A,322,1979,30
266	4HE(P,P)4HE		1CANCAN	L.G.GREENIAU	NP/A,322,1979,30
266	1H(P,P)1H		1CANCAN	L.G.GREENIAU	NP/A,322,1979,30
267	1H(D,D)1H	3.0MEV	2SWTETH	R.E.WHITE+	NP/A,321,1979,1
267	2H(P,P)2H	2.5MEV	2SWTETH	R.E.WHITE+	NP/A,321,1979,1
268	3HE(P,P)3HE	1.75MEV	1USAOHO	R.DETOMO JR.	NP/A,313,1979,26
269	4HE(P,P)4HE	45.0MEV	2JAPOSA	K.IMAI+	NP/A,325,1979,39
271	3HE(P,P)3HE	1000MEV	4CCPLIN	G.D.ALKHAZOV	PL/B,85,1979,43
274	2H(P,P)2H		X	J.KAELLNE+	PR/C,20,1979,108
274	4HE(P,P)4HE		X	J.KAELLNE+	PR/C,20,1979,108
277	23NA(P,GAMMA)24MG		1CANCRC	A.B.MCDONALD	NP/A,305,1978,15
277	23NA(P,P)23NA		1CANCRC	A.B.MCDONALD	NP/A,305,1978,15
277	23NA(P,ALPHA)		1CANCRC	A.B.MCDONALD	NP/A,305,1978,15
277	35CL(P,P)35CL		1CANCRC	A.B.MCDONALD	NP/A,305,1978,15
277	35CL(P,ALPHA)32S		1CANCRC	A.B.MCDONALD	NP/A,305,1978,15
278	16O(P,P)16O	40MEV		J.M.MOSS+	PRL,41,1978,930
279	4HE(P,P)4HE	788MEV	1USALAS	J.FONG+	PL/B,78,1978,205
280	89Y(P,P)89Y	185MEV	2SWDUPP	A.INGEMARSSO	NP/A,305,1978,33
281	26MG(P,P)26MG	1.54[3.06M	1USATNL	C.R.WESTERFE	NP/A,303,1978,11
282	4HE(P,P)4HE	185MEV	1CANUBC	R.H.MCCAMIS+	NP/A,302,1978,38
283	90ZR(P,P)90ZR	40MEV	2FR GRE	R.DE SWINIAR	PL/B,79,1978,47
283	92ZR(P,P)92ZR	40MEV	2FR GRE	R.DE SWINIAR	PL/B,79,1978,47
284	D(P,P)D	316MEV	1CANUBC	A.N.ANDERSON	PRL,40,1978,1553
285	206PB(P,P)206PB		1USAWAU	N.L.BACH+	PR/C,17,1978,205
285	207PB(P,P)207PB		1USAWAU	N.L.BACH+	PR/C,17,1978,205
286	40CA(P,P)40CA	796MEV	1USALAS	G.IGO+	PL/B,81,1979,151
286	42CA(P,P)42CA	796MEV	1USALAS	G.IGO+	PL/B,81,1979,151
286	44CA(P,P)44CA	796MEV	1USALAS	G.IGO+	PL/B,81,1979,151
286	48CA(P,P)48CA	796MEV	1USALAS	G.IGO+	PL/B,81,1979,151
289	208PB(P,P)208PB	9MEV	2GERUEN	W.KRETSCHMER	PL/B,87,1979,343
290	54FE(P,P)54FE		1USALAS	G.W.HOFFMANN	PL/B,79,1978,376
290	58NI(P,P)58NI		1USALAS	G.W.HOFFMANN	PL/B,79,1978,376
290	64NI(P,P)64NI		1USALAS	G.W.HOFFMANN	PL/B,79,1978,376
291	90ZR(P,P)90ZR	40MEV	2FRFR	R.DE SWINIAR	CJP,57,1979,540
291	92ZR(P,P)92ZR	40MEV	2FRFR	R.DE SWINIAR	CJP,57,1979,540
293	10B(P,P)GAMMA		2RSTR	Y.RIHET+	PR/C,20,1979,158
293	10B(P,ALPHA)GAMMA		2RSTR	Y.RIHET+	PR/C,20,1979,158
296	16O(P,P)16O		1USANOT	S.E.DARDEN+	PR/C,19,1979,239
299	58NI(P,P)58NI		X	J.S.BLAIR+	PRL,41,1978,1712
302	14N(P,P)14N	21.0MEV	2JAPTSU	Y.AOKI+	JPJ,47,1979,329
305	28SI(P,P)GAMMA		4ZZZDUB	VAN SYN CHAN	SNP,27,1978,324
308	12C(P,P)X	516MEV	1CANCAN	J.KAELLNE+	PL/B,74,1978,170

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309	6LI(P,P)X	800MEV		S. FRANKEL+	PRL,41,1978,148
309	12C(P,P)X	800MEV		S. FRANKEL+	PRL,41,1978,148
309	181TA(P,P)X	800MEV		S. FRANKEL+	PRL,41,1978,148
309	9BE(P,P)X	800MEV		S. FRANKEL+	PRL,41,1978,148
309	H(P,P)X			S. FRANKEL+	PRL,41,1978,148
310	P(P,P)P		1USANAL	R. RUSACK+	PRL,41,1978,1632
312	4HE(P,P)4HE		1CANMNA	A. HOUDAYER+	PR/C,18,1978,198
313	9BE(P,N)9B	5.5MEV	3CHFUSHI	JEN-CHANG CH	JPJ,44,1978,1
313	9BE(P,P)9BE	5.5MEV	3CHFUSHI	JEN-CHANG CH	JPJ,44,1978,1
313	9BE(P,P)N	5.5MEV	3CHFUSHI	JEN-CHANG CH	JPJ,44,1978,1
314	58NI(P,P)58NI		3AULCBR	A. D. FRAWLEY+	ZP/A,286,1978,30
315	64NI(P,P)64NI		3RUMRUM	A. BERINDE+	ZP/A,287,1978,22
315	64NI(P,P)GAMMA	5.33MEV	3RUMRUM	A. BERINDE+	ZP/A,287,1978,22
316	12C(P,P)12C	3.0MEV		P. CUZZOCREA+	NCL,22,1978,257
317	30SI(P,P)30SI	9.0[10.7ME	2GERUEN	W. KRETSCHMER	PRL,41,1978,1224
319	170(P,GAMMA)18F		2FRSTR	J. C. SENS+	PR/C,18,1978,200
319	170(P,P)GAMMA		2FRSTR	J. C. SENS+	PR/C,18,1978,200
319	170(P,ALPHA)14N		2FRSTR	J. C. SENS+	PR/C,18,1978,200
320	188OS(P,T)186OS	51.9MEV	2JAPINS	N. SEKINE+	NP/A,346,1980,32
320	194PT(P,T)192PT	51.9MEV	2JAPINS	N. SEKINE+	NP/A,346,1980,32
320	196PT(P,T)194PT		2JAPINS	N. SEKINE+	NP/A,346,1980,32
322	26MG(P,P)26MG	1.90[4.00M	2JAPTIT	K. ISAGAWA+	JPJ,48,1980,1804
322	26MG(P,GAMMA)27AL	1.90[4.00M	2JAPTIT	K. ISAGAWA+	JPJ,48,1980,1804
323	C(P,X)11C	0.740MEV	1USABRK	JONATHAN R. R	PR/C,20,1979,787
323	C(P,X)7BE	0.740MEV	1USABRK	JONATHAN R. R	PR/C,20,1979,787
323	10B(P,X)7BE	0.740MEV	1USABRK	JONATHAN R. R	PR/C,20,1979,787
323	11B(P,X)7BE	0.740MEV	1USABRK	JONATHAN R. R	PR/C,20,1979,787
323	N(P,X)7BE	0.740MEV	1USABRK	JONATHAN R. R	PR/C,20,1979,787
325	140CE(P,2*N)GAMMA		2NEDFUL	T. J. KETEL+	ZP/A,291,1979,31
326	SC(P,X)AR		LOUVAIN	S. REGNIER+	PR/C,20,1979,151
326	TI(P,X)AR		LOUVAIN	S. REGNIER+	PR/C,20,1979,151
326	V(P,X)AR		LOUVAIN	S. REGNIER+	PR/C,20,1979,151
326	FE(P,X)AR		LOUVAIN	S. REGNIER+	PR/C,20,1979,151
326	CO(P,X)AR		LOUVAIN	S. REGNIER+	PR/C,20,1979,151
326	NI(P,X)AR		LOUVAIN	S. REGNIER+	PR/C,20,1979,151
326	CU(P,X)AR		LOUVAIN	S. REGNIER+	PR/C,20,1979,151
329	238U(P,X)BA		1USAANL	S. BISWAS+	PR/C,20,1979,146
329	238U(P,X)131CE		1USAANL	S. BISWAS+	PR/C,20,1979,146
329	238U(P,X)131LA		1USAANL	S. BISWAS+	PR/C,20,1979,146
329	238U(P,X)131BA		1USAANL	S. BISWAS+	PR/C,20,1979,146
329	238U(P,X)128BA		1USAANL	S. BISWAS+	PR/C,20,1979,146
329	238U(P,X)133BA		1USAANL	S. BISWAS+	PR/C,20,1979,146
329	238U(P,X)135BA		1USAANL	S. BISWAS+	PR/C,20,1979,146
329	238U(P,X)140BA		1USAANL	S. BISWAS+	PR/C,20,1979,146
335	12C(P,P)12C	65MEV	X	K. AMOS+	PR/C,1979,19,210
335	12C(E,E)12C	135MEV	X	K. AMOS+	PR/C,1979,19,210
336	160(P,P)160	135MEV	1USAINU	R. S. HENDERSO	AUJ,32,1979,411
338	238U(P,X)		X	B. D. WILKINS+	PRL,43,1979,1080
339	180(P,ALPHA)15N	7.4MEV	3AULAML	L. W. J. WILD+	AUJ,32,1979,187
341	197AU(P,ALPHA)X		X	Z. LEWANDOWSK	PL/B,80,1979,350
348	40CA(P,X)	700MEV	1USALAS	B. D. ANDERSON	PR/C,19,1979,905
348	44CA(P,X)	700MEV	1USALAS	B. D. ANDERSON	PR/C,19,1979,905
348	48CA(P,X)	700MEV	1USALAS	B. D. ANDERSON	PR/C,19,1979,905
351	48CA(P,P)48CA	5.594MEV	3ISLHEB	E. NAVON+	NP/A,329,1979,12
352	58NI(P,D)57NI	50MEV	2JAPRCN	H. IKEGAMI+	NP/A,329,1979,84

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352	58NI (P,D)57NI		2JAPRCN	H. IKEGAMI+	NP/A,329,1979,84
352	60NI (P,D)59NI		2JAPRCN	H. IKEGAMI+	NP/A,329,1979,84
353	75AS (P,2*N)GAMMA	21MEV	2JAPINS	N. YOSHIKAWA+	NP/A,327,1979,47
353	79BR (P,2*N)GAMMA	21MEV	2JAPINS	N. YOSHIKAWA+	NP/A,327,1979,47
353	81BR (P,2*N)GAMMA	21MEV	2JAPINS	N. YOSHIKAWA+	NP/A,327,1979,47
353	85RB (P,2*N)GAMMA	21MEV	2JAPINS	N. YOSHIKAWA+	NP/A,327,1979,47
356	180 (P,P)180		1USANOT	G. MURILLO+	NP/A,318,1979,35
357	72GE (P,P)72GE	4.9[5.2MEV	1USARUT	W.M. GIBSON+	NP/A,317,1979,31
357	72GE (P,P)72GE		1USARUT	W.M. GIBSON+	NP/A,317,1979,31
358	87SR (P,P)87SR	20.5MEV	2NEDFUL	E. J. KAPTEIN+	NP/A,312,1978,97
358	88SR (P,P)88SR		2NEDFUL	E. J. KAPTEIN+	NP/A,312,1978,97
359	207PB (P,P)207PB			G. LATZEL+	NP/A,323,1979,41
359	207PB (P,D)206PB			G. LATZEL+	NP/A,323,1979,41
359	207PB (P,P)207PB			G. LATZEL+	NP/A,323,1979,41
359	207PB (P,P)206PB			G. LATZEL+	NP/A,323,1979,41
359	207PB (P,P)207PB			G. LATZEL+	NP/A,323,1979,41
362	180 (P,ALPHA)15N			H. LORENZ-WIR	NP/A,313,1979,34
372	78KR (P,P)78KR	51.9MEV	2JAPINS	N. SAKAMOTO+	PL/B,83,1979,39
372	80KR (P,P)80KR	51.9MEV	2JAPINS	N. SAKAMOTO+	PL/B,83,1979,39
372	82KR (P,P)82KR	51.9MEV	2JAPINS	N. SAKAMOTO+	PL/B,83,1979,39
372	84KR (P,P)84KR	51.9MEV	2JAPINS	N. SAKAMOTO+	PL/B,83,1979,39
372	86KR (P,P)86KR	51.9MEV	2JAPINS	N. SAKAMOTO+	PL/B,83,1979,39
373	114CD (P,P)114CD	11.0MEV	2GERUEN	S. SCHNEIDER+	PL/B,80,1979,180
373	114CD (P,P)GAMMA	11.0MEV	2GERUEN	S. SCHNEIDER+	PL/B,80,1979,180
375	60NI (P,ALPHA)57CO	22.0MEV	2JAPTSU	T. TAGISHI+	PL/B,82,1979,353
375	62NI (P,ALPHA)59CO	22.0MEV	2JAPTSU	T. TAGISHI+	PL/B,82,1979,353
376	45TI (P,T)43TI	44.23MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	46TI (P,T)44TI	44.23MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	48TI (P,T)46TI	42.10MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	50TI (P,T)48TI	42.10MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	46TI (P,D)45TI	44.23MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	50TI (P,D)49TI	42.13MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	46TI (P,3HE)44SC	42.13MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	48TI (P,3HE)46SC	42.13MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	50TI (P,3HE)48SC	44.23MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	52CR (P,T)50CR	42.10MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	52CR (P,3HE)50V	42.13MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	54FE (P,T)52FE	44.23MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
376	54FE (P,3HE)52MN	42.13MEV	1USAPTN	R. T. KOUZES+	NP/A,309,1978,32
377	23NA (P,ALPHA)20NE		2GERBOC	E. KUHLMANN+	NP/A,318,1979,12
381	112SN (P,P)112SN		2GERKLN	S. ROEHL+	PRL,43,1979,1300
382	30SI (P,ALPHA)27AL	17.0MEV	1CANMCM	M. A. M. SHAHAB	CJP,57,1979,1949
383	139LA (P,P)139LA		3INDTRM	R. G. KULKARNI	CJP,57,1979,1940
385	152SM (P,2*N)GAMMA		2ITYMIL	G. LO BIANCO+	JP/G,5,1979,697
386	130TE (P,ALPHA)127SB		1CANMNA	P. DEBENHAM+	JP/G,5,1979,981
387	208PB (P,ALPHA)205TL	20MEV	2ITYMIL	R. BONETTI+	JP/G,4,1978,1903
389	205PB (P,T)203PB	34.7MEV	1USAPTN	L. E. DINESCU+	PR/C,18,1978,250
393	119SN (P,T)117SN		2JAPINS	C. RANGACHARY	PR/C,20,1979,397
393	117SN (P,T)115SN		2JAPINS	C. RANGACHARY	PR/C,20,1979,397
398	100RU (P,T)98RU	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
398	104RU (P,T)102RU	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
398	110PD (P,T)108PD	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
398	116CD (P,T)114CD	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
398	118SN (P,T)116SN	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285
398	122TE (P,T)120TE	22.0MEV	2JAPTSU	K. YAGI+	PR/C,19,1979,285

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398	128TE(P,T)126TE	22.0MEV	2JAPTSU	K.YAGI+	PR/C,19,1979,285
407	154EU(P,P)154EU	12MEV	1USALRL	R.G.LANIER+	PR/C,20,1979,127
409	70GE(P,P)GAMMA	5.02MEV	1USAOHO	G.H.TERRY+	PR/C,19,1979,215
409	70GE(P,P)70GE		1USAOHO	G.H.TERRY+	PR/C,19,1979,215
410	33S(P,T)31S	40MEV	1USAMSU	H.NANN+	PR/C,19,1979,214
410	33S(P,HE3)31P	40MEV	1USAMSU	H.NANN+	PR/C,19,1979,214
411	V(P,X*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,X*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	CO(P,X*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	V(P,X*N)X*GAMMA		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	V(P,X*N)49CR		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	V(P,X*N)48CR		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	V(P,P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	V(P,3*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,X*N)X*GAMMA		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,X*N)56CO		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,X*N)X*GAMMA		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,2*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,3*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	FE(P,4*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	59CO(P,3*N)57NI		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	59CO(P,4*N)56NI		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	59CO(P,P)N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	59CO(P,P)2*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	59CO(P,P)3*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
411	59CO(P,2*P)X*N		2GERJUL	R.MICHEL+	NP/A,322,1979,40
412	12C(P,T)10C		1USAINU	J.R.SHEPARD+	NP/A,322,1979,92
412	54FE(P,T)52FE		1USAINU	J.R.SHEPARD+	NP/A,322,1979,92
412	208PB(P,T)206PB		1USAINU	J.R.SHEPARD+	NP/A,322,1979,92
414	159TB(P,X)X		1CANMNA	R.ABEGG+	NP/A,324,1979,10
414	181TA(P,X)X		1CANMNA	R.ABEGG+	NP/A,324,1979,10
414	197AU(P,X)X		1CANMNA	R.ABEGG+	NP/A,324,1979,10
420	32S(P,P)32S	18.24MEV	2ITYMIL	R.DE LEO+	NC/A,59,1980,101
422	32S(P,P)32S	5.276MEV		H.R.WAMPFLER	HPA,53,1980,317
429	12C(P,P)12C		2GERJUL	H.H.KRAUSE+	ZP/A,293,1979,34
431	12C(P,P)12C	6.9MEV	4CCPCCP	V.S.PROKOPEN	SNP,29,1979,630
431	16O(P,P)16O	6.9MEV	4CCPCCP	V.S.PROKOPEN	SNP,29,1979,630
431	24MG(P,P)24MG	6.9MEV	4CCPCCP	V.S.PROKOPEN	SNP,29,1979,630
431	26MG(P,P)26MG	6.9MEV	4CCPCCP	V.S.PROKOPEN	SNP,29,1979,630
431	28SI(P,P)28SI	6.9MEV	4CCPCCP	V.S.PROKOPEN	SNP,29,1979,630
448	40CA(P,P)GAMMA		1USAOSU	P.H.WALLACE+	PR/C,22,1980,X
448	40CA(P,P)40CA		1USAOSU	P.H.WALLACE+	PR/C,22,1980,X
457	P(P,P)P		1USAANL	D.A.BELL+	PL/B,94,1980,310
458	H(P,P)H	578MEV	2SWTWT	D.BESSET+	NP/A,345,1980,43
461	90ZR(P,P)90ZR	160MEV	1USAINU	ALAN SCOTT+	PRL,45,1980,1315
461	92ZR(P,P)92ZR	160MEV	1USAINU	ALAN SCOTT+	PRL,45,1980,1315
462	184W(P,P)BETAN		2GERHAM	MARTIN HEYKA	NP/A,332,1979,22
462	181TA(ALPH,ALPHA)BET		2GERHAM	MARTIN HEYKA	NP/A,332,1979,22
467	6LI(P,P)6LI	800MEV	1USALAS	R.E.CHRIEN+	PR/C,21,1980,101
468	P(P,P)P	50MEV	2SWTSWT	R.BALZER+	HPA,52,1979,420
469	9BE(P,P)9BE	1000MEV		G.D.ALKHAZOV	JEL,29,1979,80
469	11B(P,P)11B	1000MEV		G.D.ALKHAZOV	JEL,29,1979,80
469	12C(P,P)12C	1000MEV		G.D.ALKHAZOV	JEL,29,1979,80
469	13C(P,P)13C	1000MEV		G.D.ALKHAZOV	JEL,29,1979,80

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472	12C(P,P)12C		X	V.G.VOVCHENK	JEL,29,1979,87
472	P(P,P)P	970MEV	X	V.G.VOVCHENK	JEL,29,1979,87
473	63CU(P,P)63CU		3INDTRM	R.G.KULKARNI	CJP,58,1980,472
484	191IR(P,P)191IR	50MEV	2NEDGRN	M.N.HARAKEH+	PL/B,97,1980,21
484	193IR(P,P)193IR	50MEV	2NEDGRN	M.N.HARAKEH+	PL/B,97,1980,21
484	194PT(P,P)194PT	50MEV	2NEDGRN	M.N.HARAKEH+	PL/B,97,1980,21
488	238U(P,P)238U	22MEV	2FR PAR	I.BRISSAUD+	ZP/A,293,1979,1
489	64NI(P,GAMMA)65CU		2SWDLND	B.ERLANDSSON	ZP/A,293,1979,43
493	12C(P,P)12C		2GERJLU	H.H.KRAUSE+	ZP/A,293,1979,34
495	90ZR(P,N)90NB	11.2MEV	4CCPFEI	N.S.BINYUKOV	SNP,29,1979,740
495	91ZR(P,N)91NB	11.2MEV	4CCPFEI	N.S.BINYUKOV	SNP,29,1979,740
495	94ZR(P,N)94NB	11.2MEV	4CCPFEI	N.S.BINYUKOV	SNP,29,1979,740
495	93NB(N,N)93NB	11.2MEV	4CCPFEI	N.S.BINYUKOV	SNP,29,1979,740
497	12C(P,P)12C	6.9MEV	4CCPIFU	V.S.PROKOPEN	SNP,29,1979,630
497	160(P,P)160	6.9MEV	4CCPIFU	V.S.PROKOPEN	SNP,29,1979,630
497	24MG(P,P)24MG	6.9MEV	4CCPIFU	V.S.PROKOPEN	SNP,29,1979,630
497	26MG(P,P)26MG	6.9MEV	4CCPIFU	V.S.PROKOPEN	SNP,29,1979,630
497	28SI(P,P)28SI	6.9MEV	4CCPIFU	V.S.PROKOPEN	SNP,29,1979,630
500	BE(P,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
500	AL(P,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
500	CU(P,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
500	AG(P,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
500	AU(P,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
500	TA(P,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
500	BE(P,P)X			YU.D.BAYUKOV	SNP,29,1979,487
500	AL(P,P)X			YU.D.BAYUKOV	SNP,29,1979,487
500	CU(P,P)X			YU.D.BAYUKOV	SNP,29,1979,487
500	AU(P,P)X			YU.D.BAYUKOV	SNP,29,1979,487
500	N(PIN,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
500	P(PIN,PIN)X			YU.D.BAYUKOV	SNP,29,1979,487
501	13C(P,D)12C		1CANBUC	J.KAELLUE+	PR/C,21,1980,675
504	63CU(P,P)63CU	40MEV	1USAMSU	Y.IWASAKI+	PR/C,20,1979,861
505	14N(P,P)14N	144MEV	1USAINU	G.L.MOAKE+	PR/C,21,1980,25
506	13C(P,GAMMA)14N	8.05MEV	1USATUN	J.D.TURMER+	PR/C,21,1980,525
513	58NI(P,P)GAMMA	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,ALPHA)P	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,P)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,ALPHA)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,P)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,ALPHA)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,P)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,ALPHA)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,P)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,ALPHA)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,P)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,ALPHA)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,P)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
513	58NI(P,ALPHA)X	1000MEV	4CCPLIN	E.N.VOLNIN+	ZET,28,1978,45
514	144SM(D,N)GAMMA	11MEV	2GERGER	W.KLINGER+	NP/A,350,1980,61
514	147SM(P,N)GAMMA	10MEV	2GERGER	W.KLINGER+	NP/A,350,1980,61
514	148SM(D,N)GAMMA	11MEV	2GERGER	W.KLINGER+	NP/A,350,1980,61
515	12C(P,P)ALPHA	44.2MEV	2ITYMIL	G.DERASMO+	ZP/A,299,1981,41
525	9BE(P,PIP)10BE		1USAINU	R.E.MARRIS+	PR/C,20,1979,230
525	10B(P,PIP)11B		1USAINU	R.E.MARRIS+	PR/C,20,1979,230
525	11B(P,PIP)12B		1USAINU	R.E.MARRIS+	PR/C,20,1979,230

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525	12C(P,PIP)13C		1USAINU	R.E.MARRIS+	PR/C,20,1979,230
525	13C(P,PIP)14C		1USAINU	R.E.MARRIS+	PR/C,20,1979,230
525	14N(P,PIP)15N		1USAINU	R.E.MARRIS+	PR/C,20,1979,230
525	16O(P,PIP)17O		1USAINU	R.E.MARRIS+	PR/C,20,1979,230
529	121SB(N,N)121SB		1CANALA	H.R.HOOPER+	PR/C,20,1979,204
529	123SB(N,N)123SB		1CANALA	H.R.HOOPER+	PR/C,20,1979,204
529	120SN(P,GAMMA)121SB		1CANALA	H.R.HOOPER+	PR/C,20,1979,204
534	H(P,P)H	9.57MEV	2GERUEN	H.OBERMEYER+	NP/A,344,1980,75
535	26MG(P,P)26MG		1USARUT	R.KAITA+	NP/A,344,1980,38
540	27AL(P,N)X	90MEV	1USAMRY	B.D.ANDERSON	PRL,46,1981,226
540	58NI(P,N)X	90MEV	1USAMRY	B.D.ANDERSON	PRL,46,1981,226
540	90ZR(P,N)X	90MEV	1USAMRY	B.D.ANDERSON	PRL,46,1981,226
540	209BI(P,N)X	90MEV	1USAMRY	B.D.ANDERSON	PRL,46,1981,226
541	181TA(P,P)X	600MEV	1USAVIR	K.R.CORDELL+	NP/A,352,1981,48
541	27AL(P,P)X	600MEV	1USAVIR	K.R.CORDELL+	NP/A,352,1981,48
544	232TH(P,P)N		1CANMCG	J.J.HOGAN+	PR/C,20,1979,183
544	232TH(P,P)4N		1CANMCG	J.J.HOGAN+	PR/C,20,1979,183
544	232TH(P,P)5N		1CANMCG	J.J.HOGAN+	PR/C,20,1979,183
544	232TH(P,P)6N		1CANMCG	J.J.HOGAN+	PR/C,20,1979,183
544	23TH(P,3P)5N		1CANMCG	J.J.HOGAN+	PR/C,20,1979,183
544	232TH(P,3P)6N		1CANMCG	J.J.HOGAN+	PR/C,20,1979,183
544	232TH(P,3P)7N		1CANMCG	J.J.HOGAN+	PR/C,20,1979,183
550	58NI(P,P)X	100MEV	X	A.A.COWLEY+	PR/C,22,1980,263
556	15N(P,N)15O	5.53MEV	1USATNL	K.MURPHY+	NP/A,355,1981,1
557	112SN(P,T)110SN	42MEV	USAMSU	G.M.CRAWLEY+	PR/C,23,1981,589
557	116SN(P,T)114SN	42MEV	USAMSU	G.M.CRAWLEY+	PR/C,23,1981,589
557	118SN(P,T)116SN	42MEV	USAMSU	G.M.CRAWLEY+	PR/C,23,1981,589
557	120SN(P,T)118SN	42MEV	USAMSU	G.M.CRAWLEY+	PR/C,23,1981,589
557	122SN(P,T)120SN	42MEV	USAMSU	G.M.CRAWLEY+	PR/C,23,1981,589
557	124SN(P,T)122SN	42MEV	USAMSU	G.M.CRAWLEY+	PR/C,23,1981,589
569	64NI(P,N)GAMMA		X	B.YA.GUZHOV	SNP,30,1979,457
573	181TA(P,N)181W	6MEV	X	V.G.PRONYAEV	SNP,30,1979,310
575	12C(P,ALPHA)9B	45.2MEV	1CANMNA	S.K.DATTA+	PR/C,21,1980,168
575	12C(P,ALPHA)9BE	45.2MEV	1CANMNA	S.K.DATTA+	PR/C,21,1980,168
575	12C(P,ALPHA)9B	45.2MEV	1CANMNA	S.K.DATTA+	PR/C,21,1980,168
576	27AL(P,ALPHA)24MG	0.7314MEV	2ITYUBO	F.FUSCHINI+	PR/C,21,1980,164
578	192PT(P,T)190PT	25MEV	2FRPAR	G.ROTBARD+	PR/C,21,1980,123
578	194PT(P,T)192PT	25MEV	2FRPAR	G.ROTBARD+	PR/C,21,1980,123
578	195PT(P,T)193PT	25MEV	2FRPAR	G.ROTBARD+	PR/C,21,1980,123
578	196PT(P,T)194PT	25MEV	2FRPAR	G.ROTBARD+	PR/C,21,1980,123
578	198PT(P,T)196PT	25MEV	2FRPAR	G.ROTBARD+	PR/C,21,1980,123
583	120SN(P,T)118SN	89MEV	1USAINU	G.M.CRAWLEY+	PR/C,22,1980,316
583	122SN(P,T)120SN	89MEV	1USAINU	G.M.CRAWLEY+	PR/C,22,1980,316
583	124SN(P,T)122SN	89MEV	1USAINU	G.M.CRAWLEY+	PR/C,22,1980,316
586	238U(P,X)44SC	0.8GEV	1USALAS	D.R.FORTNEY+	PR/C,21,1980,251
586	128U(P,X)47SC	0.8GEV	1USALAS	D.R.FORTNEY+	PR/C,21,1980,251
586	238U(P,X)48SC	0.8GEV	1USALAS	D.R.FORTNEY+	PR/C,21,1980,251
598	7LI(P,N)7BE		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755
598	12C(P,N)12N		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755
598	13C(P,N)13N		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755
598	25MG(P,N)25AL		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755
598	26MG(P,N)26AL		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755
598	27AL(P,N)27SI		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755
598	28SI(P,N)28P		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755
598	90ZR(P,N)90NB		1USAORL	C.D.GOODMAN+	PRL,44,1980,1755

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602	19F(P,GAMMA)20NE		1USASTF	J.R.CALARCO+	PL/B,92,1980,67
622	12C(P,N)12N	99.1MEV	1USAINU	J.N.KNUDSON+	PR/C,22,1980,182
628	16O(P,P)16O		1USAWIS	S.SEN+	PR/C,25,1982,105
637	13C(P,P)13C	1.75MEV		W.BIESIOT+	PR/C,24,1981,244
637	13C(P,GAMMA)14N	1.75MEV		W.BIESIOT+	PR/C,24,1981,244
643	232TH(P,P)232TH	20MEV	1USALRL	L.F.HANSEN+	PR/C,25,1982,189
643	238U(P,P)238U	20MEV	1USALRL	L.F.HANSEN+	PR/C,25,1982,189
645	53CR(P,GAMMA)54MN		3AULAML	H.J.GARDNER+	AUJ,34,1981,25
645	53CR(P,N)53MN		3AULAML	H.J.GARDNER+	AUJ,34,1981,25
645	53CR(P,P)GAMMA		3AULAML	H.J.GARDNER+	AUJ,34,1981,25
646	24MG(P,N)24AL	35MEV	2JAPTOH	H.ORIHARA+	PRL,48,1982,469
650	N(P,N)P	800MEV	1USALAS	T.S.BHATIA+	PRL,48,1982,227
650	P(N,P)N	800MEV	1USALAS	T.S.BHATIA+	PRL,48,1982,227
651	12C(P,P)GAMMA	130	1USABLN	P.M.S.LESSER	PRL,48,1982,308
653	46TI(P,P)46TI	799.3MEV	1USALAS	G.PAULETTA+	PL/B,106,1981,47
653	48TI(P,P)48TI	799.3MEV	1USALAS	G.PAULETTA+	PL/B,106,1981,47
655	45SC(P,P)45SC		3AULAML	M.R.ANDERSEN	AUJ,34,1981,105
656	12C(P,P)GAMMA	28.7MEV	2JAPINS	T.FUJISAWA+	JPJ,50,1981,3198
658	90ZR(P,P)90ZR	800MEV	LOS ALA	M.M.GAZZALY+	PHYS.REV,25,1982
658	120SN(P,P)120SN	800MEV	LOS ALA	M.M.GAZZALY+	PHYS.REV,25,1982
658	144SM(P,P)144SM	800MEV	LOS ALA	M.M.GAZZALY+	PHYS.REV,25,1982
658	208PB(P,P)208PB	800MEV	LOS ALA	M.M.GAZZALY+	PHYS.REV,25,1982
663	7LI(P,P)D	670MEV	4ZZZDUB	J.ERO+	NP/A,372,1981,31
663	12C(P,P)D	670MEV	4ZZZDUB	J.ERO+	NP/A,372,1981,31
668	13C(P,T)11C	65MEV	2JAPOSA	S.KATO+	PR/C,25,1982,97
668	13C(P,D)12C	65MEV	2JAPOSA	S.KATO+	PR/C,25,1982,97
668	13C(P,3HE)11B	65MEV	2JAPOSA	S.KATO+	PR/C,25,1982,97
674	12C(P,ALPHA)X	72MEV	2SWTSWT	M.KOZLOWSKI+	PL/B,107,1981,27
674	27AL(P,ALPHA)X	72MEV	2SWTSWT	M.KOZLOWSKI+	PL/B,107,1981,27
674	58NI(P,ALPHA)X	72MEV	2SWTSWT	M.KOZLOWSKI+	PL/B,107,1981,27
674	90ZR(P,ALPHA)X	72MEV	2SWTSWT	M.KOZLOWSKI+	PL/B,107,1981,27
674	209BI(P,ALPHA)X	72MEV	2SWTSWT	M.KOZLOWSKI+	PL/B,107,1981,27
677	9BE(P,D)8BE	14.3MEV		F.D.BECCHETT	PR/C,24,1981,240
677	9BE(P,D)8BE	26.2MEV		F.D.BECCHETT	PR/C,24,1981,240
679	AG(P,P)AG		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AU(P,P)AU		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AG(4HE,4HE)AG		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AU(4HE,4HE)AU		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AG(14N,14N)AG		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AU(14N,14N)AU		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AG(20NE,20NE)AG		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AU(29NE,20NE)AU		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AG(P,P)AG		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	TA(P,P)TA		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	AG(4HE,4HE)AG		2GERFRK	C.BAUER+	ZP/A,303,1981,13
679	TA(4HE,4HE)TA		2GERFRK	C.BAUER+	ZP/A,303,1981,13
691	16O(P,N)16F	35MEV	2JAPTOH	H.OHNUMA+	PL/B,112,1982,20
692	16O(P,N)16F	99.1MEV	1USAINU	A.FAZELY+	PRC,25,1982,1760
695	11B(P,GAMMA)12C		1USATNL	M.C.WRIGHT+	PR/C,25,1982,282
696	84KR(P,GAMMA)85RB	1.85[2.87M	2ITYFIR	T.F.FAZZINI+	PR/C,25,1982,230
697	25MG(P,GAMMA)26AL		2NEDUTR	P.DE.WIT+	PL/B,113,1982,13
702	18O(P,N)18F	135.2MEV	1USAINU	B.D.ANDERSON	PR/C,27,1983,138
705	64ZN(P,P)GAMMA		1CANLUQ	C.RANGACHARY	CJP,60,1982,815
705	64ZN(P,GAMMA)		1CANLUQ	C.RANGACHARY	CJP,60,1982,815
707	89Y(P,GAMMA)90ZR		3POLWWA	Z.SZEFLINSKI	PL/B,126,1983,15

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709	40CA(P,N)40SC	133.5MEV	1USAINU	B.D. ANDERSON	PL/B,123,1983,38
710	P(P,P)P		2SWTSWT	J.CHATELAIN+	JP/G,8,1982,643
711	19F(P,ALPHA)16O	7.40MEV		W.J. VERMEER+	JP/G,8,1982,743
712	12C(P,P)GAMMA	1700KEV	2JAPTIT	H.TAKETANI+	PL/B,113,1982,11
714	D(P,D)P	10MEV	2SWTETH	F.SPERISEN+	PL/B,110,1982,10
715	72GE(P,T)70GE	13MEV	2NEDUTR	A.BECKER+	PL/B,110,1982,19
715	74GE(P,T)72GE	13MEV	2NEDUTR	A.BECKER+	PL/B,110,1982,19
715	76GE(P,T)74GE	13MEV	2NEDUTR	A.BECKER+	PL/B,110,1982,19
717	112CD(P,N)GAMMA		2JAPTIT	T.KOHNO+	NP/A,398,1983,49
718	201PB(P,P)201PB	201MEV	2FR PAR	C.DJALALI+	NP/A,380,1982,42
721	P(P,P)P	643MEV	1USALAS	M.W.MCNAUGHT	PR/C,25,1982,210
723	P(P,P)P	647MEV	1USALAS	M.W.MCNAUGHT	PR/C,26,1982,249
725	4HE(P,2P)3H	250MEV	1CANUBC	D.J.MARGAZIO	PR/C,25,1982,287
734	102RU(D,D)102RU	45MEV	2GERJUL	G.P.A.BERG+	NP/A,379,1982,93
734	102RU(D,P)103RU	45MEV	2GERJUL	G.P.A.BERG+	NP/A,379,1982,93
734	104RU(P,P)104RU	29MEV	2GERJUL	G.P.A.BERG+	NP/A,379,1982,93
734	104RU(D,D)104RU	29MEV	2GERJUL	G.P.A.BERG+	NP/A,379,1982,93
737	BE(P,KP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	BE(P,PIP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	C(P,KP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	C(P,PIP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	AL(P,KP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	AL(P,PIP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	CU(P,KP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	CU(P,PIP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	SN(P,KP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	SN(P,PIP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	PB(P,KP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
737	PB(P,PIP)X	1000MEV	4CCPLIN	N.K.ABROSIMO	JET,36,1982,261
740	116SN(P,P)116SN	800MEV	1USALAS	J.M.MOSS+	PRL,48,1982,789
740	208PB(P,P)208PB	400MEV	1USALAS	J.M.MOSS+	PRL,48,1982,789
740	90ZR(P,P)90ZR	500MEV	1USALAS	J.M.MOSS+	PRL,48,1982,789
742	90ZR(P,P)90ZR	201MEV	2FR PAR	G.M.CRAWLEY+	PR/C,26,1982,87
742	92ZR(P,P)92ZR	201MEV	2FR PAR	G.M.CRAWLEY+	PR/C,26,1982,87
742	94ZR(P,P)94ZR	201MEV	2FR PAR	G.M.CRAWLEY+	PR/C,26,1982,87
742	96ZR(P,P)96ZR	201MEV	2FR PAR	G.M.CRAWLEY+	PR/C,26,1982,87
743	24MG(P,P)24MG		1USANOT	R.M.PRIOR+	PR/C,26,1982,254
744	13C(P,D)12C	13.79MEV	1USAUSA	B.L.BURKS+	PR/C,25,1982,116
744	13C(P,D)12C		1USAUSA	B.L.BURKS+	PR/C,25,1982,116
744	11B(P,D)10B	11.34MEV	1USAUSA	B.L.BURKS+	PR/C,25,1982,116
744	11B(P,D)10B		1USAUSA	B.L.BURKS+	PR/C,25,1982,116
745	18TA(P,T)179TA	19MEV	1USAMIN	E.WARDE+	PR/C,25,1982,235
747	14N(P,P)14N	800MEV	1USALAS	G.S.BLANPIED	PR/C,25,1982,255
748	40CA(P,P)40CA	800MEV	1USALAS	E.BLESZYNSKI	PR/C,25,1982,256
751	4HE(P,D)3HE	32MEV	1USABRK	A.L.SAGLE+	PR/C,25,1982,168
751	3H(D,N)4HE	37.1MEV	1USABRK	A.L.SAGLE+	PR/C,25,1982,168
751	4HE(N,D)T	50MEV	1USABRK	A.L.SAGLE+	PR/C,25,1982,168
752	40CA(P,P)40CA	6.045MEV	1USAOSU	P.H.WALLACE+	PR/C,26,1982,107
752	40CA(P,P)GAMMA	6.18MEV	1USAOSU	P.H.WALLACE+	PR/C,26,1982,107
753	28SI(P,P)28SI	115MEV	1USAINU	S.KAILAS+	PR/C,25,1982,126
755	1H(P,P)1H	800MEV	1USALAS	M.W.MCNAUGHT	PR/C,25,1982,196
757	199HG(P,T)197HG	25MEV	2FR PAR	G.BERRIER-RO	PR/C,25,1982,284
769	56FE(P,N)56CO	20MEV	2JAPTOH	H.ORIHARA+	PL/B,106,1981,17
770	208PB(4HE,6HE)206PB	64.3MEV	2JAPINS	K.H.TANAKA+	PL/B,104,1981,20
771	59CO(D,D)59CO	33.3MEV	2JAPINS	M.NIWANO+	NP/A,377,1982,14

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771	59CO(D,3HE)58FE	33.3MEV	2JAPINS	M.NIWANO+	NP/A,377,1982,14
772	54FE(P,N)54CO	35MEV	2JAPTOH	H.ORIHARA+	PRL,47,1981,301
774	208PB(3HE,3HE)208PB	140MEV	2JAPRCN	T.YAMAGATA+	PL/B,123,1983,16
775	58NI(P,ALPHA)55CO	22.0MEV	2JAPTSU	Y.TAGISHI+	NP/A,339,1980,26
775	60NI(P,ALPHA)57CO	22.0MEV	2JAPTSU	Y.TAGISHI+	NP/A,339,1980,26
775	62NI(P,ALPHA)59CO	22.0MEV	2JAPTSU	Y.TAGISHI+	NP/A,339,1980,26
776	16O(P,N)16F	35MEV	2JAPTOH	H.ORIHARA+	PRL,49,1982,1318
777	14OCE(P,N)14OPR	38MEV	2JAPTOH	H.ORIHARA+	PL/B,118,1982,28
778	48CA(P,P)48CA	65MEV	2JPNRCN	M.FUJIWARA+	X,X,1984,437
778	52CR(P,P)52CR	65MEV	2JPNRCN	M.FUJIWARA+	X,X,1984,437
778	54FE(P,P)54FE	65MEV	2JPNRCN	M.FUJIWARA+	X,X,1984,437
780	58NI(P,P)58NI		2JPNRCN	M.FUJIWARA+	NP/A,410,1983,13
781	12C(P,N)12N	65MEV	2JPNRCN	H.SAKAI+	JP/GL,10,1984,L1
782	90ZR(P,P)90ZR	65MEV	2JPNRCN	M.FUJIWARA+	PL/B,106,1981,51
783	1H(D,D)1H	56MEV	2JPNRCN	K.HATANAKA+	NIM,217,1983,397
784	20NE(16O,20NE)16O		2JPNTSU	J.SCHIMIZU+	PL/B,112,1982,32
784	20NE(16O,12C)24MG		2JPNTSU	J.SCHIMIZU+	PL/B,112,1982,32
785	95MO(P,D)94MO	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	98MO(P,D)97MO	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	112CD(P,D)111CD	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	116CD(P,D)115CD	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	115IN(P,D)114IN	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	124SN(P,D)123SN	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	130TE(P,D)129TE	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	141TE(P,D)140TE	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	94MO(P,D)93MO	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	100MO(P,D)99MO	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
785	142ND(P,D)141ND	52MEV	2JPNINS	T.ISHIMATSU+	NP/A,336,1980,20
786	ALPHA(D,P)N	12.0MEV	2JPNTSU	M.ISHIKAWA+	JPJ,51,1982,1327
788	14N(P,P)14N	21.0MEV	2JPNTSU	Y.AOKI+	NP/A,382,1982,26
788	14N(P,D)13N	21.0MEV	2JPNTSU	Y.AOKI+	NP/A,382,1982,26
791	208PB(12C,ALPHA)2*N	79MEV	2JPNJCL	Y.GONO+	JPJ,50,1981,377
793	40CA(20NE,16O)ALPHA	260MEV	1USATAM	E.TAKADA+	PR/C,23,1981,772
794	12C(D,D)12C	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
794	13C(D,D)13C	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
794	12C(D,P)13C	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
794	13C(D,P)14C	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
794	24MG(D,P)25MG	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
794	40CA(D,P)41CA	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
794	58NI(D,P)59NI	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
794	90ZR(D,P)91ZR	56MEV	2JPNRCN	K.HATANAKA+	NP/A,419,1984,53
795	40CA(P,P)40CA	65MEV	2JPNRCN	H.EJIRI+	PR/C,24,1981,200
796	24MG(P,P)24MG	80MEV	2JPNRCN	K.HATANAKA+	PR/C,29,1984,13
796	24MG(P,D)23MG	65MEV	2JPNRCN	K.HATANAKA+	PR/C,29,1984,13
797	42CA(D,P)43CA	4.5MEV	2JPNTOH	H.ENDO+	JPJ,51,1982,3782
797	42CA(D,D)42CA	4.5MEV	2JPNTOH	H.ENDO+	JPJ,51,1982,3782
797	44CA(D,P)45CA	4.5MEV	2JPNTOH	H.ENDO+	JPJ,51,1982,3782
797	44CA(D,D)44CA	4.5MEV	2JPNTOH	H.ENDO+	JPJ,51,1982,3782
798	102RU(P,N)102RH	13MEV	2JPNJCL	M.KOIKE+	PR/C,24,1981,161
799	124SN(P,T)122SN	34.9MEV	2JPNRCN	M.MATABA+	PR/C,25,1982,281
800	78KR(P,T)76KR	51.9MEV	2JPNINS	S.MATSUKI+	NP/A,370,1981,1
802	2H(D,D)P	59.9MEV	2JPNRCN	K.FUKUNAGA+	NP/A,390,1982,19
803	208PB(P,P)208PB	65MEV	2JPNRCN	S.I.HAYAKAWA	PRL,49,1982,1624
803	209BI(D,3HE)208PB	50MEV	2JPNRCN	S.I.HAYAKAWA	PRL,49,1982,1624
803	208PB(D,3HE)207TL	50MEV	2JPNRCN	S.I.HAYAKAWA	PRL,49,1982,1624

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804	2H(P,P)2H	64.8MEV	2JPNRCN	H.SHIMIZU+	NP/A,382,1982,24
807	27AL(14N,2*ALPHA)X	115MEV	2JAPJCL	S.KOHMOTO+	PL/B,114,1982,10
807	93NB(14N,2*ALPHA)X	115MEV	2JAPJCL	S.KOHMOTO+	PL/B,114,1982,10
809	166ER(P,P)166ER	65MEV	2JPNRCN	T.ICHIHARA+	PR/C,29,1984,122
809	168ER(P,P)168ER	65MEV	2JPNRCN	T.ICHIHARA+	PR/C,29,1984,122
809	174YB(P,P)174YB	65MEV	2JPNRCN	T.ICHIHARA+	PR/C,29,1984,122
809	176YB(P,P)176YB	65MEV	2JPNRCN	T.ICHIHARA+	PR/C,29,1984,122
810	58NI(P,T)56NI	65MEV	2JPNRCN	I.KATAYAMA+	PL/B,137,1984,15
810	60NI(P,T)58NI	65MEV	2JPNRCN	I.KATAYAMA+	PL/B,137,1984,15
810	62NI(P,T)60NI	65MEV	2JPNRCN	I.KATAYAMA+	PL/B,137,1984,15
810	64NI(P,T)62NI	65MEV	2JPNRCN	I.KATAYAMA+	PL/B,137,1984,15
811	2H(P,P)2H	11.1MEV	2JPNTSU	M.SAWADA+	PR/C,27,1983,193
811	1H(D,D)1H	22.2MEV	2JPNTSU	M.SAWADA+	PR/C,27,1983,193
812	4HE(D,P)N	12MEV	2JPNTSU	MICHIO ISHIK	JPJ,51,1982,1327
813	4HE(D,P)N	12.0MEV	2JPNTSU	M.ISHIKAWA+	PR/C,28,1983,188
814	12C(D,P)N	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,391,1982,35
814	51V(D,P)N	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,391,1982,35
814	118SN(D,P)N	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,391,1982,35
815	93NB(P,N)X	65MEV	2JPNRCN	H.SAKAI+	PL/B,133,1983,37
816	58NI(D,P)X	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,408,1983,99
816	90ZR(D,P)X	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,408,1983,99
817	40CA(P,P)40CA	65MEV	2JPNRCN	K.HOSONO+	PR/C,26,1982,144
817	28SI(P,P)28SI	65MEV	2JPNRCN	K.HOSONO+	PR/C,26,1982,144
817	24MG(P,P)24MG	65MEV	2JPNRCN	K.HOSONO+	PR/C,26,1982,144
818	119SN(ALPH,ALPHA)119	109MEV	2JPNRCN	K.OKADA+	PRL,48,1982,1382
818	119SN(ALPH,ALPHA)N	109MEV	2JPNRCN	K.OKADA+	PRL,48,1982,1382
819	FE(14N,12B)X	130MEV	2JPNRCN	T.MINAMISONO	X,15/1,1983,25
819	CU(14N,12B)X	130MEV	2JPNRCN	T.MINAMISONO	X,15/1,1983,25
819	45SC(14N,12B)X	130MEV	2JPNRCN	T.MINAMISONO	X,15/1,1983,25
819	27AL(14N,12B)X	130MEV	2JPNRCN	T.MINAMISONO	X,15/1,1983,25
820	112CD(P,N)GAMMA	3.54MEV	2JPNRIT	M.ADACHI+	ZP/A,295,1980,25
821	32S(D,ALPHA)30P	16MEV	1USATNL	Y.TAGISHI+	NP/A,377,1982,1
821	36AR(D,ALPHA)34CL		1USATNL	Y.TAGISHI+	NP/A,377,1982,1
821	38AR(P,ALPHA)36CL	16MEV	1USATNL	Y.TAGISHI+	NP/A,377,1982,1
824	48TI(ALPH,N)GAMMA	8.08MEV	2JPNRIT	J.KASAGI+	JPJ,48,1980,351
824	51V(P,N)GAMMA	3.95[4.65M	2JPNRIT	J.KASAGI+	JPJ,48,1980,351
824	51V(P,N)GAMMA	8.08MEV	2JPNRIT	J.KASAGI+	JPJ,48,1980,351
825	12C(P,P)12C	42MEV		W.D.CORNELIU	PR/C,23,1981,136
825	16O(P,P)16O	40MEV		W.D.CORNELIU	PR/C,23,1981,136
825	40CA(P,P)40CA	35.5MEV		W.D.CORNELIU	PR/C,23,1981,136
825	6LI(P,P)6LI	32MEV		W.D.CORNELIU	PR/C,23,1981,136
825	14N(P,P)14N	32MEV		W.D.CORNELIU	PR/C,23,1981,136
825	11B(P,P)11B	32MEV		W.D.CORNELIU	PR/C,23,1981,136
825	15N(P,P)15N	40MEV		W.D.CORNELIU	PR/C,23,1981,136
825	9BE(P,P)9BE	31MEV		W.D.CORNELIU	PR/C,23,1981,136
826	NI(3HE,X)59ZR	50MEV	2JPNTOH	Y.ARAI+	PL/B,104,1981,18
827	12C(16O,ALPHA)16O	142.4MEV	2JPNRCN	T.SHIMODA+	JP/GL,9,1983,199
828	165HO(3HE,P)X	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	165HO(3HE,D)X	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	165HO(3HE,T)X	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	166ER(3HE,X*N)YB	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	167ER(3HE,X*N)YB	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	165HO(3HE,P)X*N	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	166ER(3HE,2*P)X*N	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	167ER(3HE,2*P)X*N	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29

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828	165HO(3HE,P)X*N	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	166ER(3HE,P)P	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	167ER(3HE,P)P	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	165HO(3HE,D)X*N	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	166ER(3HE,D)P	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	167ER(3HE,D)P	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	165HO(3HE,D)4*N	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
828	167ER(3HE,D)P	100MEV	2JPNRCN	T.MOTOBAYASH	NP/A,413,1984,29
829	28SI(3HE,N)P	9.5MEV	2JPNNTIT	H.YOKOTA+	NP/A,383,1982,29
830	56FE(P,N)56CO	28MEV	2JPNTOH	H.OHNUMA+	PTP,67,1982,353
830	54FE(P,N)54CO	35MEV	2JPNTOH	H.OHNUMA+	PTP,67,1982,353
831	158GD(ALPH,4*N)GAMMA	70MEV	2JPNRCN	M.J.A.DE VOI	NP/A,379,1982,16
831	158GD(ALPH,5*N)GAMMA	70MEV	2JPNRCN	M.J.A.DE VOI	NP/A,379,1982,16
831	158GD(ALPH,6*N)GAMMA	70MEV	2JPNRCN	M.J.A.DE VOI	NP/A,379,1982,16
832	162DY(ALPH,X*N)GAMMA	120MEV	2JPNRCN	K.MAEDA+	PR/C,28,1983,635
832	164DY(ALPH,X*N)GAMMA	120MEV	2JPNRCN	K.MAEDA+	PR/C,28,1983,635
832	174DY(ALPH,X*N)GAMMA	120MEV	2JPNRCN	K.MAEDA+	PR/C,28,1983,635
832	176YB(ALPH,X*N)GAMMA	120MEV	2JPNRCN	K.MAEDA+	PR/C,28,1983,635
833	104PD(P,P)104PD	22.0MEV	2JPNNTSU	Y.AOKI+	NP/A,394,1983,41
833	106PD(P,P)106PD	22.0MEV	2JPNNTSU	Y.AOKI+	NP/A,394,1983,41
833	108PD(P,P)108PD	22.0MEV	2JPNNTSU	Y.AOKI+	NP/A,394,1983,41
833	110PD(P,P)110PD	22.0MEV	2JPNNTSU	Y.AOKI+	NP/A,394,1983,41
834	46TI(ALPH,P)GAMMA	8MEV	2JPNNTIT	H.OHNUMA+	JP/G,7,1981,1691
834	46I(ALPH,P)GAMMA	8MEV	2JPNNTIT	H.OHNUMA+	JP/G,7,1981,1691
835	27AL(P,GAMMA)28SI	2.876MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(P,GAMMA)28SI	3.671MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,3HE)27AL	60.06MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,D)28SI	60.06MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,3HE)27AL	40.0MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,D)28SI	41MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,D)28SI	37.7MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,D)28SI	60MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,D)28SI	34.4MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,D)28SI	32.4MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
835	27AL(3HE,D)28SI	52MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
836	144SM(ALPH,ALPHA)144	84MEV	2JPNRCN	T.YAMAGATA+	NP/A,381,1982,27
836	144SM(ALPH,ALPHA)144	99MEV	2JPNRCN	T.YAMAGATA+	NP/A,381,1982,27
836	144SM(ALPH,ALPHA)144	109MEV	2JPNRCN	T.YAMAGATA+	NP/A,381,1982,27
836	208PB(ALPH,ALPHA)208	84MEV	2JPNRCN	T.YAMAGATA+	NP/A,381,1982,27
836	208PB(ALPH,ALPHA)208	80MEV	2JPNRCN	T.YAMAGATA+	NP/A,381,1982,27
836	208PB(ALPH,ALPHA)208	119MEV	2JPNRCN	T.YAMAGATA+	NP/A,381,1982,27
838	93NB(14N,ALPHA)LI	208MEV	2JPNRCN	T.FUKUDA+	PR/C,27,1983,202
838	93NB(14N,ALPHA)BE	208MEV	2JPNRCN	T.FUKUDA+	PR/C,27,1983,202
838	93NB(14N,ALPHA)B	208MEV	2JPNRCN	T.FUKUDA+	PR/C,27,1983,202
838	93NB(14N,ALPHA)C	208MEV	2JPNRCN	T.FUKUDA+	PR/C,27,1983,202
841	71GA(P,N)71GE	35MEV	2JPNTOH	H.ORIHARA+	PRL,51,1983,1328
842	93NB(14N,P)X	95MEV	2JPNJCL	T.SUGITATE+	NP/A,388,1982,40
843	56FE(P,N)56CO	17MEV	2JPNTOH	ORIHARA+	NP/A,403,1983,31
845	40AR(P,P)40AR	25.1MEV	1USALBL	M.T.OKUMUSOG	NP/A,393,1983,45
846	40CA(P,GAMMA)41SC	2.1[3.1MEV	2ITYNAP	F.TERRASI+	NP/A,394,1983,40
848	90ZR(P,P)90ZR	800MEV	1USALAS	F.TODD BAKER	NP/A,393,1983,28
848	92ZR(P,P)92ZR	800MEV	1USALAS	F.TODD BAKER	NP/A,393,1983,28
849	4HE(P,P)4HE	500MEV	1CANCAN	G.A.MOSS+	NP/A,392,1983,36
850	59CO(P,N)GAMMA	4.2MEV	3INDPUC	V K MITTAL+	JP/G,9,1983,91
851	89Y(P,ALPHA)86SR	35MEV		P.SCHOBERT+	NP/A,398,1983,20

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852	3H(P,P)3H	318MEV	4CCPITE	A.V.BLINOV+	SNP,35,1982,301
852	3H(P,N)3HE	318MEV	4CCPITE	A.V.BLINOV+	SNP,35,1982,301
852	3H(P,P)N	318MEV	4CCPITE	A.V.BLINOV+	SNP,35,1982,301
852	3H(P,P)P	318MEV	4CCPITE	A.V.BLINOV+	SNP,35,1982,301
855	9BE(P,P)X	1000MEV	4CCPLIN	S.L.BELOSTOT	PL/B,124,1983,46
855	C(P,P)X	1000MEV	4CCPLIN	S.L.BELOSTOT	PL/B,124,1983,46
855	AL(P,P)X	1000MEV	4CCPLIN	S.L.BELOSTOT	PL/B,124,1983,46
855	CU(P,P)X	1000MEV	4CCPLIN	S.L.BELOSTOT	PL/B,124,1983,46
855	PB(P,P)X	1000MEV	4CCPLIN	S.L.BELOSTOT	PL/B,124,1983,46
859	12C(P,ALPHA)9B	42.77MEV	2ITYMIL	F.PELLEGEINE	PR/C,28,1983,42
859	32S(P,ALPHA)29P	41.9MEV	2ITYMIL	F.PELLEGEINE	PR/C,28,1983,42
860	65CU(P,X*N)	26.0MEV		W.SCOBEL+	ZP/A,311,1983,32
860	89Y(P,X*N)	26.0MEV		W.SCOBEL+	ZP/A,311,1983,32
860	64ZN(P,X*N)	26.0MEV		W.SCOBEL+	ZP/A,311,1983,32
862	27AL(P,ALPHA)24MG	34.73MEV	2SWTSIN	H.OBERHUMMER	NP/A,401,1983,41
863	40AR(P,X)	1GEV	4CCPLIN	L.V.BAKANOV+	JP/G,9,1983,L43
864	12C(P,P)12C	397MEV	1USALAS	S.J.SEESTROM	PR/C,26,1982,213
865	209BI(P,PIN)X*N	200MEV	1USABNL	J.L.CLARK+	PR/C,26,1982,207
866	1H(P,P)1H	800MEV	1USALAS	G.PAULETTA+	PR/C,27,1983,282
867	12C(P,P)12C	121.9MEV	1USAINU	H.O.MEYER+	PR/C,27,1983,459
868	27AL(P,GAMMA)28SI	XMEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
868	27AL(3HE,3HE)27AL	60.06MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
868	27AL(3HE,D)28SI	60.06MEV	1USAWAU	K.A.SNOVER+	PR/C,27,1983,493
869	2H(P,P)N	800MEV	1USALAS	M.J.BARLETT+	PR/C,27,1983,682
869	2H(P,P)P	800MEV	1USALAS	M.J.BARLETT+	PR/C,27,1983,682
869	1H(P,P)P	800MEV	1USALAS	M.J.BARLETT+	PR/C,27,1983,682
870	29SI(P,P)29SI	1.29[3.31M	1USATNL	R.O.NELSON+	PR/C,27,1983,930
872	33S(N,GAMMA)34S	X	1USALAS	S.RAMAN+	PR/C,27,1983,118
872	33S(P,GAMMA)34CL	0.9[1.4MEV	1USALAS	S.RAMAN+	PR/C,27,1983,118
872	34S(P,GAMMA)35CL	0.9[1.4MEV	1USALAS	S.RAMAN+	PR/C,27,1983,118
874	7BE(P,GAMMA)8B		1USAANL	B.W.FILIPPON	PRL,50,1983,412
875	P(P,PIP)D		1USAANL	M.D.CORCORAN	PL/B,120,1983,30
876	152SM(P,P)152SM	50MEV	2NEDGRN	L.W.PUT+	PL/B,119,1982,25
877	58NI(P,N)58CU	120NEV	1USAINU	J.RAPAPORT+	PL/B,119,1982,61
878	4HE(P,GAMMA)P	4MEV	2GERBOC	P.SCHMALBROC	ZP/A,310,1983,24
880	50TI(P,N)50V		X	S.KAILAS+	ZP/A,309,1983,26
882	24MG(P,P)24MG	20.0MEV	1CANMNA	D.K.HASELL+	PR/C,27,1983,482
884	3H(P,GAMMA)4HE		1USASTF	J.R.CALARCO+	PR/C,28,1983,483
885	27AL(P,GAMMA)28SI	1.625MEV	3POLWVA	M.KICINSKA-H	ZP/A,312,1983,89
886	U(P,N)X	250MEV	4CCPITE	YU.V.RYABOV+	ZP/A,311,1983,36
888	16O(P,P)16O		2SWDIPS	M.BRAUN+	ZP/A,311,1983,17
894	40CA(P,T)38CA	40MEV	1USAMHG	A.SAHA+	PR/C,27,1983,405
894	42CA(P,T)40CA	40MEV	1USAMHG	A.SAHA+	PR/C,27,1983,405
894	43CA(P,T)41CA	40MEV	1USAMHG	A.SAHA+	PR/C,27,1983,405
894	44CA(P,T)42CA	40MEV	1USAMHG	A.SAHA+	PR/C,27,1983,405
894	48CA(P,T)46CA	40MEV	1USAMHG	A.SAHA+	PR/C,27,1983,405
895	106CD(P,T)104CD	34.6MEV	1USAPTN	R.A.DEWBERRY	PR/C,27,1983,892
896	19F(P,ALPHA)16O		2GERJLU	N.KNIEST+	PR/C,27,1983,906
898	60NI(P,D)59NI	94MEV	1USAINU	G.NANN+	PR/C,27,1983,107
898	86SR(P,D)85SR	94MEV	1USAINU	G.NANN+	PR/C,27,1983,107
898	208PB(P,D)207PB	94MEV	1USAINU	G.NANN+	PR/C,27,1983,107
900	50CR(P,P)50CR	[3.1956MEV	2JPNTIT	EIICHI ARAI+	JPJ,52,1983,802
901	55MN(P,GAMMA)56FE		3AULAML	L.W.MITCHELL	AUJ,36,1983,1
901	55MN(P,N)55FE		3AULAML	L.W.MITCHELL	AUJ,36,1983,1
902	9BE(P,P)9BE		3ALGALG	M.ALLAB+	JPR,44,1983,579

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903	26MG(P,P)26MG	40.0MEV	1USAMSU	B. ZWIEGLINSK	PR/C,28,1983,542
905	12C(P,P)12C	122MEV	1USAINU	M. HUGI+	PR/C,28,1983,1
906	58NI(P,2P)57CO	198MEV	1USAINU	G. CIANGARU+	PR/C,27,1983,136
907	154SM(P,P)154SM	133.9MEV	1USAINU	R. M. RONNINGE	PR/C,28,1983,123
907	166ER(P,P)166ER	133.9MEV	1USAINU	R. M. RONNINGE	PR/C,28,1983,123
908	7BE(P,GAMMA)8B		1USAANL	B. W. FILIPPON	PR/C,28,1983,222
911	12C(P,PIP)X	800MEV	1USALAS	P. DENES+	PR/C,27,1983,133
912	24MG(P,D)23MG	94.8MEV	1USAINU	D. W. MILLER+	PR/C,26,1982,179
914	80SE(D,P)81SE	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	82SE(P,T)80SE	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	82SE(P,D)81SE	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	80SE(P,T)78SE	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	80SE(P,D)79SE	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	80SE(P,ALPHA)77AS	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	78SE(P,T)76SE	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	78SE(P,D)77SE	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
914	78SE(P,ALPHA)75AS	15[16MEV	1USANOT	J. D. ZUMBRO+	PR/C,26,1982,266
917	3HE(P,2P)X	250MEV	1CANCAN	A. BRACCO+	PRL,50,1983,1741
918	231PA(P,T)229PA	16.5MEV	1USAANL	I. AHMAD+	PRL,49,1982,1758
919	175LU(P,ALPHA)172YB	17MEV	1CANMCM	D. G. BURKE+	CJP,60,1982,1751
920	22NE(P,ALPHA)19F	5MEV	2SWTETH	K. ELSENER+	PL/B,117,1982,16
922	64ZN(P,P)64ZN	5.9[6.9MEV	2SF JYV	A. PASSOJA+	PL/B,124,1983,15
925	60NI(P,D)59NI	94MEV	1USAINU	H. NANN+	PR/C,28,1983,642
926	12C(P,P)12C	65MEV	2JPNRCN	S. KATO+	PR/C,31,1985,161
926	24MG(P,P)24MG	65MEV	2JPNRCN	S. KATO+	PR/C,31,1985,161
926	28SI(P,P)28SI	65MEV	2JPNRCN	S. KATO+	PR/C,31,1985,161
926	32S(P,P)32S	65MEV	2JPNRCN	S. KATO+	PR/C,31,1985,161
928	16O(P,P)16O	65MEV	2JPNRCN	K. HOSONO+	PR/C,30,1984,746
929	116SN(P,D)115SN	50.4MEV	2JPNRCN	M. MATOBA+	PL/B,149,1984,50
930	4HE(D,D)4HE	56MEV	2JPNRCN	K. NISMURA+	NP/A,432,1985,37
931	50CR(P,D)49CR	55MEV	2JPNRCN	T. FUJITA+	NP/A,435,1985,7
932	208PB(P,P)208PB	65MEV	2JPNRCN	M. FUJIWARA+	JPR/C,45,1984,C4
933	48CA(P,P)48CA	65MEV	2JPNRCN	Y. FUJITA+	PR/C,32,1985,425
933	90ZR(P,P)	65MEV	2JPNRCN	Y. FUJITA+	PR/C,32,1985,425
933	208PB(P,P)208PB	65MEV	2JPNRCN	Y. FUJITA+	PR/C,32,1985,425
934	12C(D,D)12C	35MEV	2JPNRCN	SYOHEI KATO+	NIM,A238,1985,45
935	C(P,P)X		2FR SAC	J. BYSTRICKY+	NCL,41,1984,285
936	C(P,P)P		2FR SAC	J. BYSTRICKY+	NCL,40,1984,466
936	P(P,P)P		2FR SAC	J. BYSTRICKY+	NCL,40,1984,466
937	D(P,P)D	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	3HE(P,P)3HE	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	4GE(P,P)4HE	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	6LI(P,P)6LI	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	7LI(P,P)7LI	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	BE(P,P)BE	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	C(P,P)C	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	AL(P,P)AL	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	58NI(P,P)58NI	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	AG(P,P)AG	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
937	PB(P,P)PB	1000MEV	4CCPLIN	M. N. ANDRONEN	JET,37,1983,530
938	D(P,P)N	667MEV	1USABRK	G. F. KREBS+	NP/A,395,1983,36
938	D(P,2P)N	667MEV	1USABRK	G. F. KREBS+	NP/A,395,1983,36
938	3HE(P,P)N	667MEV	1USABRK	G. F. KREBS+	NP/A,395,1983,36
939	50CR(P,P)50CR	3.2867MEV	X	K. M. WHATLEY+	JP/G,9,1983,1527
939	50CR(P,P)GAMMA	3.2867MEV	X	K. M. WHATLEY+	JP/G,9,1983,1527

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940	P(P,P)P	582MEV	2SWTSWT	A. BERDOZ+	JP/G,9,1983,L261
941	58NI(P,N)58CU	160MEV	1USAINU	J. RAPAPORT+	NP/A,410,1983,37
941	60NI(P,N)60CU	160MEV	1USAINU	J. RAPAPORT+	NP/A,410,1983,37
941	54FE(P,N)54CO	160MEV	1USAINU	J. RAPAPORT+	NP/A,410,1983,37
941	56FE(P,N)56CO	160MEV	1USAINU	J. RAPAPORT+	NP/A,410,1983,37
942	10B(P,T)8B	51.9MEV	2JPNINS	M. YASUE+	NP/A,408,1983,20
942	10B(P,3HE)8BE	51.9MEV	2JPNINS	M. YASUE+	NP/A,408,1983,20
943	93NB(P,X)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,7BE)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,24NA)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,44SC)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,46SC)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,47CA)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,47SC)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,48SC)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,48V)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,52MN)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,54MN)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,56MN)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,56CO)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,58CO)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,65ZN)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,66GA)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,67GA)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,69GE)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,71AS)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,72AS)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,73SE)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,74AS)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,75SE)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,75BR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,76BR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,76KR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,77BR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,77KR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,79KR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,81RB)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,93RB)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,82SR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,83RB)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,83SR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,84RB)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,84Y)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,86Y)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,86ZR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,87Y)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,88Y)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,88ZR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,89ZR)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,89NB)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,90Y)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,90NB)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
943	93NB(P,92NB)X	12GEV	2JPNKEK	T. TOMINAKA+	NP/A,414,1984,38
944	76GE(P,P)76GE	22MEV	2FR PAR	B. RAMSTEIN+	NP/A,411,1983,23
945	76SE(P,P)76SE	16MEV	1USATNL	J. P. DELAROCH	NP/A,414,1984,11

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945	78SE(P,P)78SE	16MEV	1USATNL	J.P.DELAROCHE	NP/A,414,1984,11
945	80SE(P,P)80SE	16MEV	1USATNL	J.P.DELAROCHE	NP/A,414,1984,11
945	82SE(P,P)82SE	16MEV	1USATNL	J.P.DELAROCHE	NP/A,414,1984,11
946	50TI(P,P)50TI	201MEV	2FR PAR	C.DJALALI+	NP/A,410,1983,39
946	52CR(P,P)52CR	201MEV	2FR PAR	C.DJALALI+	NP/A,410,1983,39
946	54FE(P,P)54FE	201MEV	2FR PAR	C.DJALALI+	NP/A,410,1983,39
947	24MG(P,P)24MG	15MEV	1USABRK	R.ROY+	NP/A,411,1983,1
947	27AL(P,P)27AL	13MEV	1USABRK	R.ROY+	NP/A,411,1983,1
947	32S(P,P)32S	15MEV	1USABRK	R.ROY+	NP/A,411,1983,1
948	12C(P,P)12C	135MEV	1USAINU	W.BAUHOFF+	NP/A,410,1983,18
949	15N(P,P)15N		1CANKQU	R.A.LEAVITT+	NP/A,410,1983,93
949	15N(P,ALPHA)12C	10.43MEV	1CANKQU	R.A.LEAVITT+	NP/A,410,1983,93
949	15N(P,ALPHA)12C	10.90MEV	1CANKQU	R.A.LEAVITT+	NP/A,410,1983,93
951	2H(P,GAMMA)3HE	21.5MEV	2ITYMIL	M.ANGHINOLFI	NP/A,410,1983,17
953	48TI(P,P)GAMMA		1CANLUQ	C.RANGACHARY	CJP,62,1984,104
953	48TI(P,GAMMA)49V		1CANLUQ	C.RANGACHARY	CJP,62,1984,104
954	13C(P,D)12C	123MEV	1USANU	J.J.KRAUSHAA	NP/A,394,1983,11
954	208PB(P,D)207PD	123MEV	1USANU	J.J.KRAUSHAA	NP/A,394,1983,11
956	208PB(P,D)207PB	26.3MEV	1USACLU	S.A.DICKEY+	NP/A,391,1982,41
957	22NE(P,P)22NE		2GERTHS	J.GOERRES+	NP/A,408,1983,37
957	22NE(P,GAMMA)23NA		2GERTHS	J.GOERRES+	NP/A,408,1983,37
958	65CU(P,GAMMA)66ZN		3AULAML	M.E.SEVIOR+	AUJ,36,1983,463
958	65CU(P,N)65ZN		3AULAML	M.E.SEVIOR+	AUJ,36,1983,463
958	64NI(P,GAMMA)65CU		3AULAML	M.E.SEVIOR+	AUJ,36,1983,463
958	64NI(P,N)64CU		3AULAML	M.E.SEVIOR+	AUJ,36,1983,463
958	63CU(P,GAMMA)64ZN		3AULAML	M.E.SEVIOR+	AUJ,36,1983,463
958	63CU(P,GAMMA)63ZN		3AULAML	M.E.SEVIOR+	AUJ,36,1983,463
958	63CU(P,P)GAMMA		3AULAML	M.E.SEVIOR+	AUJ,36,1983,463
959	15N(P,N)15O		1USATNL	R.C.BYRD+	NP/A,410,1983,29
960	P(P,N)PIP	510MEV	1CANCAN	R.SHYPIT+	PL/B,124,1983,31
961	118SN(D,T)117SN	33MEV	2JPNINS	MASAYUKI SEK	JPJ,52,1983,1134
962	27AL(P,3P)N	12000MEV	2JPNKEK	HIROMI HIRAB	JPJ,51,1982,3098
963	197AU(P,78KR)X	0.6GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,80KR)X	0.15GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,81KR)X	0.15GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,82KR)X	0.15GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,83KR)X	0.15GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,84KR)X	0.15GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,85KR)X	0.15GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,86KR)X	0.15GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,124XE)X	0.6GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,126XE)X	0.6GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,128XE)X	0.6GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,129XE)X	0.6GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,130XE)X	0.6GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
963	197AU(P,131XE)X	0.6GEV	2FR PAR	H.SAUVAGEON+	ZP/A,314,1983,18
966	40CA(P,N)40SC	159.3MEV	1USAINU	T.N.TADDEUCC	PR/C,28,1983,251
966	42CA(P,N)42SC	159.3MEV	1USAINU	T.N.TADDEUCC	PR/C,28,1983,251
967	P(P,PIP)D	375MEV	1CANCAN	G.L.GILES+	PR/C,28,1983,255
968	14C(P,N)14N	25.7MEV	1USAMSU	T.N.TADDEUCC	PR/C,29,1984,764
968	14N(P,N)14O	35.2MEV	1USAMSU	T.N.TADDEUCC	PR/C,29,1984,764
969	46TI(P,P)46TI	100MEV	1USAMRY	L.W.WOO+	PR/C,29,1984,794
970	58NI(P,T)56TI	22MEV	2JPNTSU	H.IIDA+	PR/C,29,1984,328
970	60NI(P,T)58TI	22.0MEV	2JPNTSU	H.IIDA+	PR/C,29,1984,328
970	62NI(P,T)60TI	22.0MEV	2JPNTSU	H.IIDA+	PR/C,29,1984,328

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970	64NI(P,T)62TI	22.0MEV	2JPNTSU	H.IIDA+	PR/C,29,1984,328
971	100MO(P,P)100MO	51MEV	2NEDGRN	M.PIGNANELLI	PR/C,29,1984,434
971	112CD(P,P)112CD	51MEV	2NEDGRN	M.PIGNANELLI	PR/C,29,1984,434
972	48CA(P,P)48CA	319MEV	1USALAS	S.K.NANDA+	PR/C,29,1984,660
973	9BI(P,P)D	300MEV	1CANCAN	R.L.HELMER+	PR/C,29,1984,676
974	144SM(P,P)144SM	14MEV	3BZLUSP	M.L.CESCATO+	PR/C,29,1984,49
976	130TE(P,P)130TE	7.5MEV	3BZLUSP	M.C.HERMIDA+	PR/C,29,1984,64
977	3HE(P,PIP)4HE	800MEV	1USALAS	B.HOEISTAD+	PR/C,29,1984,553
978	28SI(P,P)28SI	178.9MEV	1USAINU	C.OLMER+	PR/C,29,1984,361
979	1H(P,P)X	800MEV	1USALAS	J.A.MCGILL+	PR/C,29,1984,204
979	2H(P,P)X	800MEV	1USALAS	J.A.MCGILL+	PR/C,29,1984,204
979	12C(P,P)X	800MEV	1USALAS	J.A.MCGILL+	PR/C,29,1984,204
979	40CA(P,P)X	800MEV	1USALAS	J.A.MCGILL+	PR/C,29,1984,204
979	208PB(P,P)X	800MEV	1USALAS	J.A.MCGILL+	PR/C,29,1984,204
980	P(P,P)PIP		4CCPLIN	L.G.DAKHNO+	SNP,37,1983,540
980	N(P,P)PIP		4CCPLIN	L.G.DAKHNO+	SNP,37,1983,540
980	N(P,P)PIN		4CCPLIN	L.G.DAKHNO+	SNP,37,1983,540
980	D(P,P)PIP		4CCPLIN	L.G.DAKHNO+	SNP,37,1983,540
981	D(P,P)P		1CANMNA	J.P.SVENNE+	PL,119B,1982,269
982	102RU(P,N)GAMMA		3HUNDEB	ZS.DOMBRADI+	ZP/A,313,1983,20
983	208PB(P,P)208PB	15MEV	2NEDGRN	J.H.VAN DIJK	ZP/A,314,1983,1
983	208PB(ALPH,ALPHA)208	50MEV	2NEDGRN	J.H.VAN DIJK	ZP/A,314,1983,1
984	152SM(P,3*N)150EU	29MEV	2GERJUL	F.SORAMEL-ST	ZP/A,314,1983,12
987	50TI(P,T)48TI	40.2MEV	1USAMSU	A.SAHA+	PL/B,130,1983,15
987	51V(P,T)49V	40.2MEV	1USAMSU	A.SAHA+	PL/B,130,1983,15
988	12C(P,P)12C	500MEV	1USALAS	J.B.MCCLELLA	PRL,52,1984,98
989	88SR(P,P)88SR			J.F.CHEMIN+	PL/B,130,1983,24
989	86SR(P,P)86SR			J.F.CHEMIN+	PL/B,130,1983,24
990	P(P,P)P	11.75GEV/C	1USAANL	I.P.AUER+	PRL,52,1984,808
991	40CA(P,P)40CA	650MEV	1USALAS	R.A.MISKIMEN	PL/B,131,1983,26
991	28SI(P,P)28SI	650MEV	1USALAS	R.A.MISKIMEN	PL/B,131,1983,26
991	30SI(P,P)30SI	650MEV	1USALAS	R.A.MISKIMEN	PL/B,131,1983,26
991	42CA(P,P)42CA	650MEV	1USALAS	R.A.MISKIMEN	PL/B,131,1983,26
992	142ND(P,P)142ND	25.5MEV		L.TRACHE+	PL/B,131,1983,28
992	13ND(P,P)143ND	25.5MEV		L.TRACHE+	PL/B,131,1983,28
993	208PB(P,T)206PB	50.5MEV	2NEDGRN	H.WIENKE+	PL,135,1984,13
993	208PB(P,T)206PB	20MEV	2NEDGRN	H.WIENKE+	PL,135,1984,13
994	1H(P,P)X	800MEV	1USALAS	J.A.MCGILL+	PL/B,134,1983,15
994	12C(P,P)X	800MEV	1USALAS	J.A.MCGILL+	PL/B,134,1983,15
995	39K(P,ALPHA)36AR		1USATNL	J.F.SHRINER	PL/B,130,1983,14
995	39K(P,P)39K		1USATNL	J.F.SHRINER	PL/B,130,1983,14
996	27AL(P,P)27AL		1USATNL	R.O.NELSON+	PR/C,29,1984,165
996	27AL(P,ALPHA)24MG		1USATNL	R.O.NELSON+	PR/C,29,1984,165
997	1H(N,GAMMA)2H	180MEV	1CANCAN	J.M.CAMERON+	PL/B,137,1984,31
998	92ZR(P,P)92ZR	103.5MEV	1USAINU	S.KAILAS+	PR/C,29,1984,207
998	120SN(P,P)120SN	103.5MEV	1USAINU	S.KAILAS+	PR/C,29,1984,207
998	208PB(P,P)208PB	98MEV	1USAINU	S.KAILAS+	PR/C,29,1984,207
999	28SI(P,P)28SI		1USATNL	J.F.WILKERSO	PRL,51,1983,2269
1000	6LI(P,N)6BE	160MEV	1USAINU	T.N.TADDEUCC	PRL,52,1984,1960
1000	7LI(P,N)7BE	160MEV	1USAINU	T.N.TADDEUCC	PRL,52,1984,1960
1000	12C(P,N)12N	160MEV	1USAINU	T.N.TADDEUCC	PRL,52,1984,1960
1000	13C(P,N)13N	160MEV	1USAINU	T.N.TADDEUCC	PRL,52,1984,1960
1000	14C(P,N)14N	160MEV	1USAINU	T.N.TADDEUCC	PRL,52,1984,1960
1000	90ZR(P,N)90NB	160MEV	1USAINU	T.N.TADDEUCC	PRL,52,1984,1960
1001	48CA(P,N)48SC	134MEV	1USAINU	B.D.ANDERSON	PRL,52,1984,1872

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1001	54FE(P,N)54CO	134MEV	1USAINU	B. D. ANDERSON	PRL, 52, 1984, 1872
1001	88SR(P,N)88Y	134MEV	1USAINU	B. D. ANDERSON	PRL, 52, 1984, 1872
1001	208PB(P,N)208BI	134MEV	1USAINU	B. D. ANDERSON	PRL, 52, 1984, 1872
1002	3HE(P,2P)D	300MEV	1CANCAN	A. BRACCO+	PL/B, 137, 1984, 31
1002	3HE(P,2P)D	450MEV	1CANCAN	A. BRACCO+	PL/B, 137, 1984, 31
1002	3HE(P,P)D	450MEV	1CANCAN	A. BRACCO+	PL/B, 137, 1984, 31
1003	27AL(P,P)X	200MEV	2FR PAR	H. MACHNER+	PL/B, 138, 1984, 39
1005	U(P,X)X	7000MEV	2UK NIN	HAMEED A. KHA	PR/C, 29, 1984, 211
1005	BI(P,X)X	7000MEV	2UK NIN	HAMEED A. KHA	PR/C, 29, 1984, 211
1005	PB(P,X)X	7000MEV	2UK NIN	HAMEED A. KHA	PR/C, 29, 1984, 211
1005	AU(P,X)X	7000MEV	2UK NIN	HAMEED A. KHA	PR/C, 29, 1984, 211
1005	W(P,X)X	7000MEV	2UK NIN	HAMEED A. KHA	PR/C, 29, 1984, 211
1005	HO(P,X)X	7000MEV	2UK NIN	HAMEED A. KHA	PR/C, 29, 1984, 211
1005	AG(P,X)X	7000MEV	2UK NIN	HAMEED A. KHA	PR/C, 29, 1984, 211
1006	106CD(P,N)GAMMA		1USAANL	B. W. FILIPPON	PR/C, 29, 1984, 211
1007	2H(P,P)2H	10.04MEV	1USALAS	NELSON JARMI	PR/C, 29, 1984, 203
1007	2H(T,ALPHA)N		1USALAS	NELSON JARMI	PR/C, 29, 1984, 203
1008	3HE(P,P)3HE	21.3MEV	1USABRK	J. BIRCHALL+	PR/C, 29, 1984, 200
1009	3HE(P,P)3HE	19.5MEV	1CANMNA	B. T. MURDOCH+	PR/C, 29, 1984, 200
1018	78SE(ALPH,P)N	23	3DDRRROS	J. DOERING+	ZP/A, 316, 1984, 75
1018	78SE(ALPH,P)N	27MEV	3DDRRROS	J. DOERING+	ZP/A, 316, 1984, 75
1018	80SE(D,2*N)	13.5MEV	3DDRRROS	J. DOERING+	ZP/A, 316, 1984, 75
1018	80SE(P,N)		3DDRRROS	J. DOERING+	ZP/A, 316, 1984, 75
1020	160(P,P)160	135MEV	1USAINU	K. AMOS+	NP/A, 413, 1984, 25
1022	70ZN(P,N)GAMMA	314MEV	3HUNDEB	T. FENYES+	NP/A, 419, 1984, 5
1022	70ZN(P,N)BETA	314MEV	3HUNDEB	T. FENYES+	NP/A, 419, 1984, 5
1023	P(P,PIP)D	578MEV	2SWTSWT	E. APRILE+	NP/A, 415, 1984, 36
1025	26AL(P,GAMMA)27SI	0.17[1.58M	2GERMST	L. BUCHMANN+	NP/A, 415, 1984, 9
1025	26AL(P,P)GAMMA	0.17[1.58M	2GERMST	L. BUCHMANN+	NP/A, 415, 1984, 9
1028	36S(P,GAMMA)37CL	0.5[2.0MEV	2NEDUTR	G. J. L. NOOREN	NP/A, 423, 1984, 22
1031	54FE(P,P)X	18MEV		W. G. WEITKAMP	NP/A, 417, 1984, 40
1031	63CU(P,P)X	18MEV		W. G. WEITKAMP	NP/A, 417, 1984, 40
1031	92MO(P,P)X	18MEV		W. G. WEITKAMP	NP/A, 417, 1984, 40
1031	54FE(P,P)X	16MEV		W. G. WEITKAMP	NP/A, 417, 1984, 40
1033	74SE(P,P)74SE	2.85[3.0ME	2JPNKYU	AKIRA SHIBUY	NP/A, 417, 1984, 33
1035	51V(P,N)51CR	159.4MEV	1USAINU	J. RAPAPORT+	NP/A, 427, 1984, 33
1038	12C(P,PIP)13C	200MEV	1CANCAN	G. J. LOLOS+	PR/C, 30, 1984, 574
1038	12C(P,PIP)13C	216MEV	1CANCAN	G. J. LOLOS+	PR/C, 30, 1984, 574
1039	116SN(P,P)116SN	24.5MEV	1USALRL	C. WONG+	PR/C, 29, 1984, 171
1039	116SN(P,N)116SB	24.5MEV	1USALRL	C. WONG+	PR/C, 29, 1984, 171
1039	120SN(P,P)120SN	24.5MEV	1USALRL	C. WONG+	PR/C, 29, 1984, 171
1039	120SN(P,N)120SB	24.5MEV	1USALRL	C. WONG+	PR/C, 29, 1984, 171
1039	124SN(P,P)124SN	24.5MEV	1USALRL	C. WONG+	PR/C, 29, 1984, 171
1039	124SN(P,N)124SB	24.5MEV	1USALRL	C. WONG+	PR/C, 29, 1984, 171
1045	15N(P,P)15N		1USANOT	S. E. DARDEN+	NP/A, 429, 1984, 21
1046	2H(P,P)2H	10MEV	2SWTETH	F. SPERISEN+	NP/A, 422, 1984, 81
1046	2H(P,D)1H	10MEV	2SWTETH	F. SPERISEN+	NP/A, 422, 1984, 81
1046	1H(D,D)1H	20MEV	2SWTETH	F. SPERISEN+	NP/A, 422, 1984, 81
1050	93NB(P,D)92NB	26.3MEV	1USACLU	M. A. RUMORE+	NP/A, 423, 1984, 35
1051	24MG(P,D)23MG	27.3MEV	1USAINU	P. W. F. ALONS+	PL/B, 145, 1984, 34
1054	13C(P,P)13C	547MEV		S. J. SEESTROM	PR/C, 30, 1984, 270
1055	130TE(P,P)130TE	9.5MEV	1USANOT	J. L. FOSTER J	PR/C, 30, 1984, 79
1055	130TE(P,P)130TE	10.30MEV	1USANOT	J. L. FOSTER J	PR/C, 30, 1984, 79
1057	20NE(P,P)20NE	800MEV	1USALAS	G. S. BLANPIED	PR/C, 30, 1984, 123
1059	40CA(P,P)40CA	334MEV	1USALAS	D. J. HOREN+	PR/C, 30, 1984, 709

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1060	7LI(P,D)6LI	800MEV	1USALAS	G.R.SMITH+	PR/C,30,1984,593
1060	12C(P,D)11C	800MEV	1USALAS	G.R.SMITH+	PR/C,30,1984,593
1060	13C(P,D)12C	800MEV	1USALAS	G.R.SMITH+	PR/C,30,1984,593
1060	16O(P,D)15O	800MEV	1USALAS	G.R.SMITH+	PR/C,30,1984,593
1060	25MG(P,D)24MG	800MEV	1USALAS	G.R.SMITH+	PR/C,30,1984,593
1060	28SI(P,D)27SI	800MEV	1USALAS	G.R.SMITH+	PR/C,30,1984,593
1060	40CA(P,D)39CA	800MEV	1USALAS	G.R.SMITH+	PR/C,30,1984,593
1091	H(P,P)H	44.8MEV	2SWTSWT	R.BALZER+	PR/C,30,1984,140
1093	D(P,P)D	496MEV	1USALAS	SUN TSU-HSUN	PR/C,31,1985,515
1094	4HE(P,P)4HE	46MEV	2SWTSWT	J.LANG+	PRL,54,1985,170
1095	16O(P,P)16O	200MEV	1USAINU	C.W.GLOVER+	PR/C,31,1985,1
1096	25MG(P,P)25MG		1USATNL	G.ADAMS+	JP/G,10,1984,174
1097	26MG(P,P)26MG	15.0MEV	2ITYMIL	F.SCIUCCATI+	PR/C,31,1985,736
1099	55MN(P,P)55MN		3CHFUSHI	C.C.HSU+	PR/C,31,1985,49
1099	55MN(P,ALPHA)52CR		3CHFUSHI	C.C.HSU+	PR/C,31,1985,49
1100	76GE(D,D)76GE	16.0MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1100	70GE(D,D)70GE	8.0MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1100	72GE(D,D)72GE	8.0MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1100	74GE(D,D)74GE	8.0MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1100	70GE(P,P)70GE	11.5MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1100	72GE(P,P)72GE	11.5MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1100	74GE(P,P)74GE	11.5MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1100	76GE(P,P)76GE	11.5MEV	1USANOT	S.SEN+	PR/C,31,1985,787
1101	92ZR(P,P)92ZR		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	94ZR(P,P)94ZR		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	96ZR(P,P)96ZR		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	95MO(P,P)95MO		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	98MO(P,P)98MO		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	100MO(P,P)100MO		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	92ZR(P,N)92NB		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	94ZR(P,N)94NB		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	96ZR(P,N)96NB		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	95MO(P,N)95TC		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	98MO(P,N)98TC		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1101	100MO(P,N)100TC		1USAKTY	D.S.FLYNN+	PR/C,31,1985,87
1102	208PB(P,P)208PB		2GERKLN	R.MEL ZER+	NP/A,432,1985,36
1103	28SI(P,P)28SI	800MEV	1USALAS	N.M.HINTZ+	PR/C,30,1984,197
1103	58NI(P,P)58NI	800MEV	1USALAS	N.M.HINTZ+	PR/C,30,1984,197
1104	28SI(P,P)28SI	26.3MEV	2NEDFUL	J.J.A.ZALMST	PL/B,146,1984,39
1105	34S(N,N)34S	21.7MEV	1USAOHO	R.ALARCON+	PR/C,31,1985,697
1105	34S(P,P)34S	29.8MEV	1USAOHO	R.ALARCON+	PR/C,31,1985,697
1106	40CA(P,P)2*GAMMA	5.08MEV	2GERMPH	J.SCHIRMER+	PRL,53,1984,1897
1106	90ZR(P,P)2*GAMMA	7.08MEV	2GERMPH	J.SCHIRMER+	PRL,53,1984,1897
1107	56FE(P,P)56FE		1USATNL	P+	ZP/A,319,1984,31
1108	111CD(P,P)111CD		3INDPUC	K.P.SINGH+	PR/C,31,1985,79
1108	113CD(P,P)113CD		3INDPUC	K.P.SINGH+	PR/C,31,1985,79
1108	110CD(P,P)110CD		3INDPUC	K.P.SINGH+	PR/C,31,1985,79
1108	112CD(P,P)112CD		3INDPUC	K.P.SINGH+	PR/C,31,1985,79
1108	114CD(P,P)114CD		3INDPUC	K.P.SINGH+	PR/C,31,1985,79
1108	116CD(P,P)116CD		3INDPUC	K.P.SINGH+	PR/C,31,1985,79
1109	208PB(P,P)208PB	201MEV	2FR PAR	C.DJALALI+	PR/C,31,1985,758
1112	204PB(P,2N)203BI	20MEV	2SF JYV	T.LOENNROTH+	ZP/A,319,1984,14
1113	12C(P,D)11C	497MEV	1USALAS	H.OHNUMA+	PL/B,147,1984,25
1113	13C(P,D)12C	497MEV	1USALAS	H.OHNUMA+	PL/B,147,1984,25
1113	13C(P,D)12C	530MEV	1USALAS	H.OHNUMA+	PL/B,147,1984,25

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1113	13C(P,D)12C	447MEV	1USALAS	H.OHNUMA+	PL/B,147,1984,25
1113	28SI(P,D)27SI	497MEV	1USALAS	H.OHNUMA+	PL/B,147,1984,25
1113	28SI(P,D)27SI	530MEV	1USALAS	H.OHNUMA+	PL/B,147,1984,25
1113	28SI(P,D)27SI	447MEV	1USALAS	H.OHNUMA+	PL/B,147,1984,25
1114	158TB(P,D)157TB	29.9MEV	1USAPTN	T.ALTZITZOGL	PR/C,31,1985,360
1114	207PB(P,D)206PB	29.9MEV	1USAPTN	T.ALTZITZOGL	PR/C,31,1985,360
1114	158GD(P,D)157GD	29.9MEV	1USAPTN	T.ALTZITZOGL	PR/C,31,1985,360
1115	D(P,2P)N	22.7MEV	2SWTSIN	F.FOROUGH+	JP/G,11,1985,59
1117	92ZR(P,T)90ZR	17.0MEV	2JPNTSU	K.YAGI+	PR/C,31,1985,120
1117	138BA(P,T)136BA	18.5MEV	2JPNTSU	K.YAGI+	PR/C,31,1985,120
1117	92ZR(P,T)90ZR	28.5MEV	2JPNTSU	K.YAGI+	PR/C,31,1985,120
1117	138BA(P,T)136BA	28.5MEV	2JPNTSU	K.YAGI+	PR/C,31,1985,120
1119	10B(P,ALPHA)7BE	2.0MEV	1CANKQU	H.C.EVANS+	CJP,62,1984,1139
1120	19F(P,ALPHA)16O	10.0MEV	2JPNKYU	TAKASHI INOU	JPJ,53,1984,4158
1121	154SM(7LI,3N)158TB	27MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	154SM(7LI,3N)158TB	28MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	154SM(7LI,3N)158TB	15MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	154SM(7LI,3N)158TB	17MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(3HE,ALPHA)158T	27MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(3HE,ALPHA)158T	28MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(3HE,ALPHA)158T	15MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(3HE,ALPHA)158T	17MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(D,T)158TB	27MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(D,T)158TB	28MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(D,T)158TB	15MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	159TB(D,T)158TB	17MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	161DY(P,ALPHA)158TB	27MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	161DY(P,ALPHA)158TB	28MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	161DY(P,ALPHA)158TB	15MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1121	161DY(P,ALPHA)158TB	17MEV	1CANMCN	D.G.BURKE+	PL/B,146,1984,39
1122	27AL(P,ALPHA)24MG	20MEV	2GERMPH	F.HOYLER+	PR/C,31,1985,17
1123	12C(P,6LI)7BE	40.3MEV	2ITYMIL	G.D.ERASMO+	PR/C,31,1985,656
1124	90ZR(P,N)X	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	91ZR(P,N)X	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	92ZR(P,N)X	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	94ZR(P,N)X	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	90ZR(P,N)90NB	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	92ZR(P,N)92NB	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	91ZR(P,N)91NB	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	94ZR(P,N)94NB	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1124	159TB(P,N)159DY	25MEV	1USALRL	W.SCOBEL+	PR/C,30,1984,148
1125	138BA(P,3N)136LA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	138BA(P,2N)137LA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	138BA(P,4N)135LA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	138BA(P,PN)137BA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	136BA(P,3N)134LA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	136BA(P,2N)135LA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	136BA(P,4N)133LA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	136BA(P,PN)135BA		2GERJUL	T.MOREK+	NP/A,433,1985,15
1125	133CS(ALPHA,3N)134LA	55MEV	2GERJUL	T.MOREK+	NP/A,433,1985,15
1127	12C(P,PIP)X	330MEV		N.J.DIGIACOM	PR/C,31,1985,292
1127	238U(P,PIP)X	330MEV		N.J.DIGIACOM	PR/C,31,1985,292
1127	12C(P,PIN)X			N.J.DIGIACOM	PR/C,31,1985,292
1127	238U(P,PIN)X			N.J.DIGIACOM	PR/C,31,1985,292
1128	60NI(P,P)60NI	200MEV	1CANTRU	J.LISANTTI+	PL/B,147,1984,23

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1128	90ZR(P,P)90ZR	200MEV	1CANTRU	J.LISANTTI+	PL/B,147,1984,23
1128	208PB(P,P)208PB	200MEV	1CANTRU	J.LISANTTI+	PL/B,147,1984,23
1129	TH(P,X)RN	600MEV	2ZZZCER	F.CALAPRICE+	PR/C,30,1984,167
1130	238U(P,X)231FR	600MEV	2ZZZCER	P.HILL+	ZP/A,320,1985,53
1131	46TI(P,P)46TI	65MEV	2JPNRCN	M.FUJIWARA+	PR/C,35,1987,125
1132	12C(6LI,6LI)12C	150MEV	2JPNRCN	M.TANAKA+	PR/C,36,1987,214
1133	3HE(P,2*P)2H	64.8MEV	2JPNRCN	S.KAKIGI+	NP/A,473,1987,31
1134	40CA(P,P)40CA	65.1MEV	2JPNRCN	T.YAMAGATA+	PR/C,36,1987,573
1136	6LI(P,P)ALPHA	65MEV	2JPNRCN	M.TOSAKI+	NP/A,463,1987,42
1136	7LI(P,P)ALPHA	65MEV	2JPNRCN	M.TOSAKI+	NP/A,463,1987,42
1137	154SM(ALPH,ALPHA)154	120MEV	2JPNRCN	T.ICHIHARA+	PR/C,35,1987,931
1137	144SM(ALPH,ALPHA)144	120MEV	2JPNRCN	T.ICHIHARA+	PR/C,35,1987,931
1137	144SM(ALPH,ALPHA)148	120MEV	2JPNRCN	T.ICHIHARA+	PR/C,35,1987,931
1137	150SM(ALPH,ALPHA)150	120MEV	2JPNRCN	T.ICHIHARA+	PR/C,35,1987,931
1137	152SM(ALPH,ALPHA)152	120MEV	2JPNRCN	T.ICHIHARA+	PR/C,35,1987,931
1138	2H(P,P)2H	65MEV	2JPNRCN	M.NAKAMURA+	PL/B,188,1987,21
1139	58NI(P,N)58CU	80MEV	2JPNRCN	H.SAKAI+	PR/C,35,1987,128
1139	90ZR(P,N)90NB		2JPNRCN	H.SAKAI+	PR/C,35,1987,128
1140	12C(2ONE,ALPHA)28SI	52MEV	2JPNINS	S.KUBONO+	NP/A,457,1986,46
1140	12C(2ONE,X)24MG	52MEV	2JPNINS	S.KUBONO+	NP/A,457,1986,46
1140	12C(2ONE,X)27AL	52MEV	2JPNINS	S.KUBONO+	NP/A,457,1986,46
1141	208PB(ALPH,6HE)206PB	109MEV	2JPNRCN	T.KURIHARA+	NP/A,457,1986,45
1141	208PB(ALPH,ALPHA)208	109MEV	2JPNRCN	T.KURIHARA+	NP/A,457,1986,45
1144	12C(D,P)13C	30MEV	2JPNINS	H.OHNUMA+	NP/A,448,1985,20
1145	13C(P,P)13C	35MEV	2JPNINS	H.OHNUMA+	NP/A,456,1986,61
1145	13C(P,N)13N	35MEV	2JPNINS	H.OHNUMA+	NP/A,456,1986,61
1146	24MG(P,D)23MG	30MEV	2JPNINS	T.HASEGAWA+	JPJ/S,55,1986,63
1147	12C(160,12C)160	69.5MEV	2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,160)160	100MEV	2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,26AL)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,25AL)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,22NA)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,23NA)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,24NA)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,21NA)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,25NA)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,24MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,25MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,23MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,26MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,22MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,21NE)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	12C(160,22NE)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,29SI)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,28SI)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,27SI)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,28AL)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,27AL)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,26AL)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,26MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,25MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,24MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,23MG)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,25NA)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29
1147	160(160,24NA)X		2JPNJAE	H.IKEZOE+	NP/A,456,1986,29

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1147	160(160,23NA)X		2JPNJAE	H. IKEZOE+	NP/A,456,1986,29
1147	160(160,22NA)X		2JPNJAE	H. IKEZOE+	NP/A,456,1986,29
1147	160(160,22NE)X		2JPNJAE	H. IKEZOE+	NP/A,456,1986,29
1147	160(160,21NE)X		2JPNJAE	H. IKEZOE+	NP/A,456,1986,29
1147	160(160,20NE)X		2JPNJAE	H. IKEZOE+	NP/A,456,1986,29
1150	25MG(ALPH,3HE)26MG	80.9MEV	2JPNRCN	J. J. KRAUSHA	PR/C,34,1986,153
1150	24MG(ALPH,3HE)25MG	80.9MEV	2JPNRCN	J. J. KRAUSHA	PR/C,34,1986,153
1151	12C(20NE,ALPHA)28SI	52MEV		S. KUBONO+	JPJ/S,55,1986,79
1151	27AL(ALPH,T)28SI	64.5MEV		S. KUBONO+	JPJ/S,55,1986,79
1152	12C(20NE,2*ALPHA)24M	51.93MEV	2JPNINS	S. KUBONO+	PR/C,33,1986,152
1154	62NI(28SI,28SI)62NI	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	58NI(28SI,28SI)58NI	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	62NI(28SI,28SI)62NI	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	62NI(28SI,30SI)60NI	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	58NI(28SI,29SI)57NI	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	58NI(28SI,30SI)56NI	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	62NI(28SI,27AL)63CU	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	62NI(28SI,26MG)64ZN	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	58NI(28SI,27AL)59CU	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1154	58NI(28SI,26MG)60ZN	110MEV	2JPNJAE	Y. SUGIYAMA+	PL/B,176,1986,30
1155	12C(D,6LI)8BE	51.7MEV	2JPNRCN	T. YAMAYA+	JPJ/S,55,1986,73
1155	160(D,6LI)12C	51.7MEV	2JPNRCN	T. YAMAYA+	JPJ/S,55,1986,73
1156	208PB(12C,4N)GAMMA	80MEV	2JPNITIT	M. ADACHI+	NP/A,442,1985,36
1157	P(P,PIP)D	1.2GEV	2FR SAC	R. BERTINI+	PL/B,162,1985,77
1158	C(40AR,PIN)X	1.026*AGEV		K. A. FRANKEL+	PR/C,32,1985,975
1158	C(40AR,PIP)X	1.026*AGEV		K. A. FRANKEL+	PR/C,32,1985,975
1158	U(40AR,PIN)X	1.026*AGEV		K. A. FRANKEL+	PR/C,32,1985,975
1158	U(40AR,PIP)X	1.026*AGEV		K. A. FRANKEL+	PR/C,32,1985,975
1158	CA(40AR,PIN)X	1.020*AGEV		K. A. FRANKEL+	PR/C,32,1985,975
1158	CA(40AR,PIP)X	1.020*AGEV		K. A. FRANKEL+	PR/C,32,1985,975
1158	BE(20NE,PIN)X	654*AMEV		K. A. FRANKEL+	PR/C,32,1985,975
1158	BE(20NE,PIP)X	654*AMEV		K. A. FRANKEL+	PR/C,32,1985,975
1159	C(C,P)X	800*AMEV	1USALBL	H. HAMAGAKI+	PL/B,150,1985,41
1159	C(C,D)X	800*AMEV	1USALBL	H. HAMAGAKI+	PL/B,150,1985,41
1159	C(C,T)X	800*AMEV	1USALBL	H. HAMAGAKI+	PL/B,150,1985,41
1160	232TH(ALPH,FISS)	65MEV	2JPNINS	H. HAMAGAKI+	JPJ,54,1985,2453
1161	12C(12C,12C)12C	139.5MEV	2JPNRCN	S. KUBONO+	PR/C,31,1985,208
1164	12C(D,6LI)8BE	XMEV		T. YAMAYA+	JPJ/S,55,1986,73
1165	C(P,P)X	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	K(P,P)X	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	CL(P,P)X	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	PB(P,P)X	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	NA(P,P)X	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	F(P,P)X	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	AG(P,P)X	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	K(P,P)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	CL(P,P)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	K(P,D)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	CL(P,D)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	C(P,P)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	C(P,D)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	NA(P,P)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	F(P,P)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	NA(P,D)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216
1165	F(P,D)P	800MEV	1USALBL	Y. MIAKE+	PR/C,31,1985,216

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1165	AG(P,P)P	800MEV	1USALBL	Y.MIAKE+	PR/C,31,1985,216
1165	AG(P,D)P	800MEV	1USALBL	Y.MIAKE+	PR/C,31,1985,216
1165	PB(P,P)P	800MEV	1USALBL	Y.MIAKE+	PR/C,31,1985,216
1165	PB(P,D)P	800MEV	1USALBL	Y.MIAKE+	PR/C,31,1985,216
1166	160(2ONE,ALPHA)32S	51.9MEV	2JPNINS	K.MORITA+	PRL,55,1985,185
1166	160(2ONE,ALPHA)ALPHA	51.9MEV	2JPNINS	K.MORITA+	PRL,55,1985,185
1168	94ZR(ALPH,2N)P	47MEV	2JPNINS	S.OHYA+	NP/A,445,1985,29
1168	96ZR(ALPH,3N)P	55MEV	2JPNINS	S.OHYA+	NP/A,445,1985,29
1169	58NI(D,D)58NI	200MEV	2FR LNS	N.V.SEN+	PL/B,156,1985,18
1169	40CA(D,D)40CA	700MEV	2FR LNS	N.V.SEN+	PL/B,156,1985,18
1171	12C(12C,12C)12C	55.0MEV	2JPNJAE	Y.SUGIYAMA+	PL/B,159,1985,90
1174	BE(6LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	BE(7LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	BE(8LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	BE(9LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	BE(7BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	BE(9BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	BE(10BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(6LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(7LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(8LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(9LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(11LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(7BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(9BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	C(10BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	AL(7LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	AL(8LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	AL(9LI,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	AL(7BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	AL(9BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1174	AL(10BE,X)	790MEV/A	1USALBL	I.TANIHATA+	PRL,55,1985,2676
1177	19F(12C,12C)19F	30.0MEV	2JPNKYU	T.TACHIKAWA+	PL/B,139,1984,26
1177	12C(19F,19F)12C	63.8MEV	2JPNKYU	T.TACHIKAWA+	PL/B,139,1984,26
1178	12C(ALPH,D)14N	34.9MEV	1USACSU	M.YASUE+	PR/C,30,1984,770
1178	13C(ALPH,D)15N	34.9MEV	1USACSU	M.YASUE+	PR/C,30,1984,770
1180	P(P,X)		2FR SAC	J.BYSTRICKY+	PL,142,1984,130
1181	232TH(14N,P)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1181	232TH(14N,D)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1181	232TH(14N,T)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1181	232TH(14N,ALPHA)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1181	232TH(14N,P)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1181	232TH(14N,D)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1181	232TH(14N,T)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1181	232TH(14N,ALPHA)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,429,1984,19
1182	130TE(ALPH,4*N)130XE	48MEV	2JPNTOH	H.KUSAKARI+	PR/C,30,1984,820
1183	12C(ALPH,P)15N	35MEV	1USACLU	J.J.HAMILL+	NP/A,408,1983,21
1183	13C(ALPH,P)16N	35MEV	1USACLU	J.J.HAMILL+	NP/A,408,1983,21
1185	12C(12C,12C)12C	158.8MEV	2JPNRCN	S.KUBONO+	PL/B,127,1983,19
1186	122TE(ALPH,4*N)GAMMA	55MEV	2JPNINS	H.KUSAKARI+	NP/A,401,1983,44
1186	124TE(ALPH,4*N)GAMMA	51MEV	2JPNINS	H.KUSAKARI+	NP/A,401,1983,44
1186	126TE(ALPH,4*N)GAMMA	50MEV	2JPNINS	H.KUSAKARI+	NP/A,401,1983,44
1186	128TE(ALPH,4*N)GAMMA	52MEV	2JPNINS	H.KUSAKARI+	NP/A,401,1983,44
1186	130TE(ALPH,4*N)GAMMA	52MEV	2JPNINS	H.KUSAKARI+	NP/A,401,1983,44
1187	56FE(P,N)56CO	17MEV	2JPNTOH	H.ORIHARA+	NP/A,403,1983,31

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1188	12C(12C,12C)12C	139.5MEV	2JPNRCN	S.KUBONO+	PL/B,163,1985,75
1189	24MG(6LI,6LI)24MG	72.7MEV	2JPNINS	T.TANABE+	NP/A,399,1983,24
1189	26MG(6LI,6LI)26MG	72.7MEV	2JPNINS	T.TANABE+	NP/A,399,1983,24
1189	24MG(6LI,D)28SI	72.7MEV	2JPNINS	T.TANABE+	NP/A,399,1983,24
1189	26MG(6LI,D)30SI	72.7MEV	2JPNINS	T.TANABE+	NP/A,399,1983,24
1190	159TB(7LI,P)	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,D)	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,T)	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,ALPHA)X	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,ALPHA)5*N	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,ALPHA)4*N	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,ALPHA)3*N	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,ALPHA)2N	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	159TB(7LI,ALPHA)6*N	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	232TH(7LI,P)X	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	232TH(7LI,D)X	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	232TH(7LI,T)X	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1190	232TH(7LI,ALPHA)X	77MEV	2JPNINS	H.UTSUNOMIYA	PR/C,28,1983,197
1191	12C(ALPH,ALPHA)12C	65MEV	2JPNINS	M.YASUE+	NP/A,394,1983,29
1191	12C(ALPH,2*ALPHA)8BE	65MEV	2JPNINS	M.YASUE+	NP/A,394,1983,29
1192	93NB(14N,P)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,425,1984,54
1192	93NB(14N,D)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,425,1984,54
1192	93NB(14N,T)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,425,1984,54
1192	93NB(14N,4HE)X	208MEV	2JPNRCN	T.FUKUDA+	NP/A,425,1984,54
1192	93NB(14N,3HE)X	132MEV	2JPNRCN	T.FUKUDA+	NP/A,425,1984,54
1194	160(D,D)160	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1194	12C(D,D)12C	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1194	40CA(D,D)40CA	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1194	58NI(D,D)58NI	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1194	90ZR(D,D)90ZR	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1194	118SN(D,D)118SN	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1194	144SM(D,D)144SM	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1194	208PB(D,D)208PB	56MEV	2JPNRCN	N.MATSUOKA+	NP/A,455,1986,41
1195	48CA(P,P)48CA	65MEV	2JPNRCN	K.HOSONO+	NP/A,454,1986,23
1195	58NI(P,P)58NI	65MEV	2JPNRCN	K.HOSONO+	NP/A,454,1986,23
1195	60NI(P,P)60NI	65MEV	2JPNRCN	K.HOSONO+	NP/A,454,1986,23
1198	90ZR(3HE,3HE)90ZR	140MEV	2JPNRCN	T.YAMAGATA+	PR/C,23,1981,937
1198	92ZR(3HE,3HE)92ZR	120MEV	2JPNRCN	T.YAMAGATA+	PR/C,23,1981,937
1198	116SN(3HE,3HE)116SN	110MEV	2JPNRCN	T.YAMAGATA+	PR/C,23,1981,937
1198	118SN(3HE,3HE)118SN	120MEV	2JPNRCN	T.YAMAGATA+	PR/C,23,1981,937
1198	120SN(3HE,3HE)120SN	120MEV	2JPNRCN	T.YAMAGATA+	PR/C,23,1981,937
1198	144SM(3HE,3HE)144SM	140MEV	2JPNRCN	T.YAMAGATA+	PR/C,23,1981,937
1198	208PB(3HE,3HE)208PB	140MEV	2JPNRCN	T.YAMAGATA+	PR/C,23,1981,937
1199	27AL(7LI,7BE)2MG	150MEV	2JPNRCN	S.NAKAYAMA+	PR/C,34,1986,366
1200	12C(D,6LI)8BE	51.7MEV		T.YAMAYA+	PR/C,34,1986,236
1200	160(D,6LI)12C	51.7MEV		T.YAMAYA+	PR/C,34,1986,236
1201	56FE(P,P)56FE	65MEV	2JPNRCN	H.SAKAGUCHI+	PL/B,99,1981,92
1201	59CO(P,P)59CO	65MEV	2JPNRCN	H.SAKAGUCHI+	PL/B,99,1981,92
1201	58NI(P,P)58NI	65MEV	2JPNRCN	H.SAKAGUCHI+	PL/B,99,1981,92
1201	60NI(P,P)60NI	65MEV	2JPNRCN	H.SAKAGUCHI+	PL/B,99,1981,92
1201	62NI(P,P)62NI	65MEV	2JPNRCN	H.SAKAGUCHI+	PL/B,99,1981,92
1201	64NI(P,P)64NI	65MEV	2JPNRCN	H.SAKAGUCHI+	PL/B,99,1981,92
1201	208PB(P,P)208PB	65MEV	2JPNRCN	H.SAKAGUCHI+	PL/B,99,1981,92
1206	27AL(ALPH,T)28SI	64.5MEV	2JPNINS	M.YASUE+	NP/A,391,1982,37
1206	27AL(ALPH,3HE)28AL	64.5MEV	2JPNINS	M.YASUE+	NP/A,391,1982,37

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1206	27AL(ALPH,ALPHA)27AL	64.5MEV	2JPNINS	M.YASUE+	NP/A,391,1982,37
1208	58NI(P,P)58NI	65MEV	2JPNRCN	M.FUJIWARA+	PR/C,37,1988,288
1211	165HO(14N,N)X	490MEV	1USAMSU	G.CASKEY+	PR/C,31,1985,159
1212	208PB(13C,3*N)218RA	75MEV	2JPNIPC	Y.GONO+	NP/A,459,1986,42
1213	98MO(16O,4*N)110SN	72[76MEV	2JPNJCL	J.KASAGI+	PL/B,176,1986,30
1213	100MO(16O,4*N)112SN	72[76MEV	2JPNJCL	J.KASAGI+	PL/B,176,1986,30
1214	2H(P,N)2P	50MEV	2JPNRCN	H.SAKAI+	PL/B,177,1986,15
1214	2H(P,N)2P	65MEV	2JPNRCN	H.SAKAI+	PL/B,177,1986,15
1214	2H(P,N)2P	80MEV	2JPNRCN	H.SAKAI+	PL/B,177,1986,15
1216	204PB(12C,4*N)212RA	70[90MEV	2JPNINS	T.KOHNO+	PR/C,33,1986,392
1217	27AL(14N,12B)	115MEV	2JPNRCN	K.H.TANAKA+	PR/C,34,1986,580
1217	45SC(14N,12B)	114MEV	2JPNRCN	K.H.TANAKA+	PR/C,34,1986,580
1217	FE(14N,12B)	116MEV	2JPNRCN	K.H.TANAKA+	PR/C,34,1986,580
1217	CU(14N,12B)	120MEV	2JPNRCN	K.H.TANAKA+	PR/C,34,1986,580
1217	100MO(14N,12B)	120MEV	2JPNRCN	K.H.TANAKA+	PR/C,34,1986,580
1217	232TH(14N,12B)	129MEV	2JPNRCN	K.H.TANAKA+	PR/C,34,1986,580
1223	165HO(ALPH,P)X	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44
1223	165HO(ALPH,P)2*N	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44
1223	165HO(ALPH,P)3*N	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44
1223	165HO(ALPH,P)4*N	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44
1223	165HO(ALPH,P)5*N	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44
1223	165HO(ALPH,P)6*N	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44
1223	165HO(ALPH,P)7*N	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44
1223	165HO(ALPH,P)8*N	109MEV	2JPNRCN	T.SHIBATA+	NP/A,441,1985,44