

# EXFORに変換したデータ

Data in TRANS E011

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1992年度にNRDFに収集されたデータ(D13444 ~D1439)の内から、EXFOR に変換できたものをTRANS E011に編集して、1994年3月15日にIAEAに発送した。TRANS E011には、26エントリが含まれている。変換したデータストリームは、1992年度にNRDFに収録した全データストリームの約40%であった。

資料1に TRANS E011 のデータのインデックス・リスティングを掲げる。

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REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379002	21	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379003	21	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379004	13	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379005	14	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379006	17	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379007	21	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379008	21	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379009	19	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379010	19	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379011	17	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379012	16	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379013	17	
6-C-12(D,P)6-C-13,PAR,DA	3.00+07	2JPNIT	85	OHNUMA+	J,NP/A,448,205.85	E1379014	16	
6-C-12(P,EL)6-C-12,PAR,DA	1.23+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414008	14	
6-C-12(P,EL)6-C-12,PAR,DA	1.27+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414010	8	
6-C-12(P,EL)6-C-12,PAR,DA	1.31+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414012	14	
6-C-12(P,EL)6-C-12,PAR,DA	1.30+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414014	6	
6-C-12(P,EL)6-C-12,PAR,DA	1.32+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414016	13	
6-C-12(P,EL)6-C-12,PAR,DA	1.20+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414019	14	
6-C-12(P,EL)6-C-12,PAR,DA	1.23+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414021	12	
6-C-12(P,INL)6-C-12,PAR,DA	2.87+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406017	12	
6-C-12(P,INL)6-C-12,PAR,DA	2.62+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406018	9	
6-C-12(P,INL)6-C-12,PAR,DA	2.41+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406019	16	
6-C-12(P,INL)6-C-12,PAR,DA	2.87+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406020	12	
6-C-12(P,INL)6-C-12,PAR,DA	2.62+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406021	9	
6-C-12(P,INL)6-C-12,PAR,DA	2.41+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406022	16	
6-C-12(P,INL)6-C-12,PAR,DA	2.87+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406023	12	
6-C-12(P,INL)6-C-12,PAR,DA	2.62+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406024	7	
6-C-12(P,INL)6-C-12,PAR,DA	2.41+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406025	12	
6-C-12(P,INL)6-C-12,PAR,DA	2.87+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406026	12	
6-C-12(P,INL)6-C-12,PAR,DA	2.62+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406027	9	
6-C-12(P,INL)6-C-12,PAR,DA	2.41+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406028	16	
6-C-12(P,INL)6-C-12,PAR,DA	1.23+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414009	14	
6-C-12(P,INL)6-C-12,PAR,DA	1.27+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414011	8	
6-C-12(P,INL)6-C-12,PAR,DA	1.31+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414013	16	
6-C-12(P,INL)6-C-12,PAR,DA	1.30+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414015	7	
6-C-12(P,INL)6-C-12,PAR,DA	1.32+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414017	14	
6-C-12(P,INL)6-C-12,PAR,DA	1.20+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414020	13	
6-C-12(P,INL)6-C-12,PAR,DA	1.23+07	2JPNJCL	70	KOBAYASHI+	J,JPJ,29,1,70	E1414022	12	
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.87+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406002	11	
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.62+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406003	9	
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.41+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406004	17	
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.19+07	2.87+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406043	11
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.21+07	2.91+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406044	16
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.20+07	2.90+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406045	11
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.20+07	2.90+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406046	15
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.19+07	2.90+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406047	16
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.20+07	2.89+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406048	11
6-C-12(P,INL)6-C-12,PAR,POL/DA	2.19+07	2.90+07	2JPNJCL	81	FUJISAWA+	J,JPJ,50,3198,81	E1406049	16
6-C-13(P,EL)6-C-13,PAR,DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412003	16	
6-C-13(P,EL)6-C-13,PAR,POL/DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412004	17	
6-C-13(P,INL)6-C-13,PAR,DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412008	17	
6-C-13(P,INL)6-C-13,PAR,DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412009	17	
6-C-13(P,INL)6-C-13,PAR,DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412012	17	
6-C-13(P,INL)6-C-13,PAR,POL/DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412010	17	

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
6-C-13(P,INL)6-C-13,PAR,POL/DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412011	17
6-C-13(P,INL)6-C-13,PAR,POL/DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412013	17
6-C-13(P,N)7-N-13,PAR,DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412005	23
6-C-13(P,N)7-N-13,PAR,DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412006	22
6-C-13(P,N)7-N-13,PAR,DA	3.50+07	2JPNIT	86	OHNUMA+	J,NP/A,456,61,86	E1412007	23
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378111	18
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378112	19
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378113	18
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378114	22
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378115	12
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378116	12
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378117	14
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378118	14
8-0-16(A,D)9-F-18,PAR,DA	6.53+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378085	14
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378086	11
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378087	11
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378088	6
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378089	21
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378090	20
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378091	21
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378092	14
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378093	16
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378094	7
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378095	14
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378096	7
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378097	10
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378098	20
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378099	21
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378100	21
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378101	17
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378102	10
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378103	21
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378104	18
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378105	12
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378106	19
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378107	17
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378108	15
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378109	12
8-0-18(A,D)9-F-20,PAR,DA	6.44+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378110	9
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378053	19
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378054	14
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378055	19
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378056	20
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378057	20
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378058	12
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378059	20
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378060	19
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378061	14
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378062	12
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378063	11
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378064	13
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378065	13
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378066	11
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378067	13
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378068	20

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378069	11
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378070	7
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378071	20
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378072	14
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378073	8
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378074	14
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378075	14
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378076	10
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378077	11
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378078	14
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378079	5
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378080	4
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378081	6
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378082	5
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378083	6
10-NE-20(A,D)11-NA-22,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378084	5
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378024	18
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378025	18
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378026	23
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378027	20
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378028	14
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378029	16
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378030	19
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378031	21
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378032	20
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378033	19
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378034	12
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378035	11
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378036	23
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378037	16
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378038	9
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378039	14
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378040	10
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378041	15
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378042	11
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378043	12
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378044	11
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378045	16
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378046	15
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378047	20
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378048	17
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378049	13
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378050	16
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378051	10
10-NE-22(A,D)11-NA-24,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378052	16
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378015	15
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378016	15
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378017	10
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378018	15
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378019	13
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378020	13
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378021	13
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378022	10
12-MG-24(A,D)13-AL-26,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378023	12
12-MG-24(A,EL)12-MG-24,PAR,DA	2.20+07 2.43+07	2JPNKTO	78	SOGA+	J,PR/C,18,2457,78	E1388005	20

REACTION-UNIT	ENERGY RANGE (EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
12-MG-24(A,EL)12-MG-24,PAR,DA	2.20+07 2.42+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388006	22
12-MG-24(A,EL)12-MG-24,PAR,DA	2.21+07 2.43+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388007	19
12-MG-24(A,EL)12-MG-24,PAR,DA	2.20+07 2.43+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388008	24
12-MG-24(A,EL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388013	15
12-MG-24(A,EL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388014	17
12-MG-24(A,EL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388015	19
12-MG-24(A,EL)12-MG-24,PAR,DA	2.43+07 2.57+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388016	18
12-MG-24(A,INL)12-MG-24,PAR,DA	2.19+07 2.43+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388009	18
12-MG-24(A,INL)12-MG-24,PAR,DA	2.20+07 2.42+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388010	21
12-MG-24(A,INL)12-MG-24,PAR,DA	2.20+07 2.41+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388011	20
12-MG-24(A,INL)12-MG-24,PAR,DA	2.20+07 2.43+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388012	24
12-MG-24(A,INL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388017	16
12-MG-24(A,INL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388018	18
12-MG-24(A,INL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388019	17
12-MG-24(A,INL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388020	18
12-MG-24(A,INL)12-MG-24,PAR,DA	2.44+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388021	14
12-MG-24(A,INL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388022	19
12-MG-24(A,INL)12-MG-24,PAR,DA	2.43+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388023	17
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.45+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388024	15
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.20+07 2.43+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388002	28
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.40+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388003	22
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.41+07 2.58+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388004	20
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.28+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388025	33
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.43+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388026	33
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.46+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388027	31
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.49+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388028	32
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.51+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388029	32
12-MG-24(A,6-C-12)8-0-16,PAR,DA	2.54+07	2JPNTOK	78	SOGA+	J,PR/C,18,2457,78	E1388030	32
12-MG-26(HE3,N)14-SI-28,PAR,DA	2.31+07	2JPNTOH	85	ABE+	J,JPJ,54,3660,85	E1421002	7
12-MG-26(HE3,N)14-SI-28,PAR,DA	2.31+07	2JPNTOH	85	ABE+	J,JPJ,54,3660,85	E1421003	7
12-MG-26(HE3,N)14-SI-28,PAR,DA	4.55+07	2JPNTOH	85	ABE+	J,JPJ,54,3660,85	E1421004	11
12-MG-26(HE3,N)14-SI-28,PAR,DA	4.55+07	2JPNTOH	85	ABE+	J,JPJ,54,3660,85	E1421005	11
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378002	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378003	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378004	21
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378005	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378006	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378007	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378008	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378009	42
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378010	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378011	21
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378012	22
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378013	18
14-SI-28(A,D)15-P-30,PAR,DA	6.43+07	2JPNKTO	86	KADOTA+	J,NP/A,458,523,86	E1378014	21
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405002	27
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405003	28
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405004	28
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405005	21
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405006	27
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405007	22
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405008	23
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405009	12
14-SI-28(HE3,D)15-P-29,PAR,DA	2.93+07	2JPNJPN	77	KOYAMA+	J,JPJ,443,755,77	E1405010	12
14-SI-28(P,INL)14-SI-28,PAR,DA	5.19+07	2JPNJCL	78	TOBA+	J,JPJ,45,367,78	E1413005	21

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
14-SI-28(P, INL)14-SI-28, PAR, DA	5.19+07	2JPNJCL	78	TOBA+	J, JPJ, 45, 367, 78	E1413006	21
14-SI-29(P, INL)14-SI-29, PAR, DA	5.19+07	2JPNJCL	78	TOBA+	J, JPJ, 45, 367, 78	E1413007	14
14-SI-29(P, INL)14-SI-29, PAR, DA	5.19+07	2JPNJCL	78	TOBA+	J, JPJ, 45, 367, 78	E1413008	19
14-SI-29(P, INL)14-SI-29, PAR, DA	5.19+07	2JPNJCL	78	TOBA+	J, JPJ, 45, 367, 78	E1413009	17
14-SI-30(P, INL)14-SI-30, PAR, DA	5.19+07	2JPNJCL	78	TOBA+	J, JPJ, 45, 367, 78	E1413010	22
14-SI-30(P, INL)14-SI-30, PAR, DA	5.19+07	2JPNJCL	78	TOBA+	J, JPJ, 45, 367, 78	E1413011	17
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404010	10
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404011	10
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404012	9
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404013	10
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404014	10
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404015	13
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404016	12
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404017	13
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404018	13
24-CR-52(7-N-14, 6-C-12)25-MN-54, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404019	13
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404002	10
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404003	10
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404004	10
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404005	10
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404006	13
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404007	13
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404008	13
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	9.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404009	13
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404021	10
24-CR-52(7-N-14, 6-C-13)25-MN-53, PAR, DA	7.00+07	2JPNJCL	77	KOHNO+	J, JPJ, 42, 1, 77	E1404022	10
26-FE-54(P, A)25-MN-51, PAR, DA	2.10+07	2JPNTSU	79	TAGISHI+	J, JPJ, 47, 1735, 79	E1423002	14
26-FE-54(P, A)25-MN-51, PAR, DA	2.10+07	2JPNTSU	79	TAGISHI+	J, JPJ, 47, 1735, 79	E1423003	12
26-FE-54(P, A)25-MN-51, PAR, DA	1.70+07	2JPNTSU	79	TAGISHI+	J, JPJ, 47, 1735, 79	E1423004	8
26-FE-54(P, A)25-MN-51, PAR, POL/DA	2.10+07	2JPNTSU	79	TAGISHI+	J, JPJ, 47, 1735, 79	E1423005	14
26-FE-54(P, A)25-MN-51, PAR, POL/DA	2.10+07	2JPNTSU	79	TAGISHI+	J, JPJ, 47, 1735, 79	E1423006	12
26-FE-54(P, A)25-MN-51, PAR, POL/DA	1.70+07	2JPNTSU	79	TAGISHI+	J, JPJ, 47, 1735, 79	E1423007	8
26-FE-54(P, N)27-CO-54, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436002	14
26-FE-54(P, N)27-CO-54, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436003	14
26-FE-56(P, N)27-CO-56, PAR, DA	1.70+07	2JPNTOH	83	ORIHARA+	J, NP/A, 403, 317, 83	E1424002	11
26-FE-56(P, N)27-CO-56, PAR, DA	1.70+07	2JPNTOH	83	ORIHARA+	J, NP/A, 403, 317, 83	E1424003	11
26-FE-56(P, N)27-CO-56, PAR, DA	1.70+07	2JPNTOH	83	ORIHARA+	J, NP/A, 403, 317, 83	E1424004	10
26-FE-56(P, N)27-CO-56, PAR, DA	1.70+07	2JPNTOH	83	ORIHARA+	J, NP/A, 403, 317, 83	E1424005	9
26-FE-56(P, N)27-CO-56, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436004	14
26-FE-56(P, N)27-CO-56, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436005	13
28-NI-58(P, N)29-CU-58, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436006	9
28-NI-58(P, N)29-CU-58, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436007	9
28-NI-60(P, N)29-CU-60, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436008	10
28-NI-60(P, N)29-CU-60, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436009	10
28-NI-62(P, N)29-CU-62, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436010	11
28-NI-62(P, N)29-CU-62, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436011	11
28-NI-64(P, N)29-CU-64, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436012	11
28-NI-64(P, N)29-CU-64, PAR, DA	3.50+07	2JPNTOH	83	MAEDA+	J, NP/A, 403, 1, 83	E1436013	11
34-SE-76(P, T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418002	14
34-SE-76(P, T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418003	14
34-SE-76(P, T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418004	12
34-SE-76(P, T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418005	10
34-SE-76(P, T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418006	13
34-SE-76(P, T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418007	11
34-SE-76(P, T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418008	13

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418009	14
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418010	12
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418011	11
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418012	10
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418013	10
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418014	10
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418015	13
34-SE-76(P,T)34-SE-74, PAR, DA	5.19+07	2JPNTOH	76	ORIHARA+	J, NP/A, 267, 276, 76	E1418016	12
40-ZR-92(P,D)40-ZR-91, PAR, DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416002	18
40-ZR-92(P,D)40-ZR-91, PAR, DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416012	18
40-ZR-92(P,D)40-ZR-91, PAR, DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416016	13
40-ZR-92(P,D)40-ZR-91, PAR, DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416018	13
40-ZR-92(P,D)40-ZR-91, PAR, DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416022	17
40-ZR-92(P,D)40-ZR-91, PAR, POL/DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416003	18
40-ZR-92(P,D)40-ZR-91, PAR, POL/DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416013	18
40-ZR-92(P,D)40-ZR-91, PAR, POL/DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416017	13
40-ZR-92(P,D)40-ZR-91, PAR, POL/DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416019	13
40-ZR-92(P,D)40-ZR-91, PAR, POL/DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416027	18
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407017	26
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407018	25
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407019	23
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407020	21
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407021	24
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407022	23
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407023	22
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407024	15
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407025	16
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407026	16
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407027	19
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407028	20
42-MO-98(P, INL)42-MO-98, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407029	18
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407002	27
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407003	23
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407004	25
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407005	25
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407006	15
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407007	26
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407008	16
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407009	18
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407010	21
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407011	16
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407012	14
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407013	16
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407014	17
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407015	23
42-MO-100(P, INL)42-MO-100, PAR, DA	1.47+07	2JPNJCL	72	AWAYA+	J, JPJ, 33, 881, 72	E1407016	23
44-RU-102(P, D)44-RU-101, PAR, DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416020	16
44-RU-102(P, D)44-RU-101, PAR, POL/DA	2.20+07	2JPNTSU	83	AOKI+	J, NP/A, 393, 52, 83	E1416021	16
46-PD-104(P, T)46-PD-102, PAR, DA	5.20+07	2JPNTSU	77	YAGI+	J, PR/C, 15, 1178, 77	E1428002	26
46-PD-104(P, T)46-PD-102, PAR, DA	5.20+07	2JPNTSU	77	YAGI+	J, PR/C, 15, 1178, 77	E1428003	26
46-PD-104(P, T)46-PD-102, PAR, DA	5.20+07	2JPNTSU	77	YAGI+	J, PR/C, 15, 1178, 77	E1428004	27
46-PD-104(P, T)46-PD-102, PAR, DA	5.20+07	2JPNTSU	77	YAGI+	J, PR/C, 15, 1178, 77	E1428005	29
46-PD-104(P, T)46-PD-102, PAR, DA	5.20+07	2JPNTSU	77	YAGI+	J, PR/C, 15, 1178, 77	E1428006	26
46-PD-104(P, T)46-PD-102, PAR, DA	5.20+07	2JPNTSU	77	YAGI+	J, PR/C, 15, 1178, 77	E1428007	27
46-PD-104(P, T)46-PD-102, PAR, DA	5.20+07	2JPNTSU	77	YAGI+	J, PR/C, 15, 1178, 77	E1428008	27

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
46-PD-106(P,D)46-PD-105,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416022	16
46-PD-106(P,D)46-PD-105,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416023	16
46-PD-106(P,EL)46-PD-106,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399002	32
46-PD-106(P,INL)46-PD-106,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399005	32
46-PD-106(P,INL)46-PD-106,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399008	28
46-PD-106(P,INL)46-PD-106,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399009	27
46-PD-106(P,INL)46-PD-106,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399010	28
46-PD-108(P,D)46-PD-107,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416004	16
46-PD-108(P,D)46-PD-107,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416024	16
46-PD-108(P,D)46-PD-107,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416028	13
46-PD-108(P,D)46-PD-107,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416005	16
46-PD-108(P,D)46-PD-107,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416025	16
46-PD-108(P,D)46-PD-107,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416029	13
46-PD-108(P,EL)46-PD-108,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399003	37
46-PD-108(P,INL)46-PD-108,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399006	37
46-PD-108(P,INL)46-PD-108,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399011	37
46-PD-108(P,INL)46-PD-108,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399012	34
46-PD-108(P,INL)46-PD-108,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399013	37
46-PD-110(P,EL)46-PD-110,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399004	40
46-PD-110(P,INL)46-PD-110,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399007	41
46-PD-110(P,INL)46-PD-110,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399014	36
46-PD-110(P,INL)46-PD-110,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399015	37
46-PD-110(P,INL)46-PD-110,PAR,DA	5.19+07	2JPNTOK	75	KOIKE+	J,NP/A,248,237,75	E1399016	29
48-CD-110(P,N)49-IN-110,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425002	11
48-CD-110(P,N)49-IN-110,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425005	11
48-CD-110(P,N)49-IN-110,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425008	11
48-CD-110(P,N)49-IN-110,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425011	9
48-CD-112(P,D)48-CD-111,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416006	15
48-CD-112(P,D)48-CD-111,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416007	16
48-CD-114(P,D)48-CD-113,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416008	18
48-CD-114(P,D)48-CD-113,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416009	18
48-CD-114(P,N)49-IN-114,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425003	13
48-CD-114(P,N)49-IN-114,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425006	13
48-CD-114(P,N)49-IN-114,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425009	13
48-CD-114(P,N)49-IN-114,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425012	13
48-CD-116(P,N)49-IN-116,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425004	13
48-CD-116(P,N)49-IN-116,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425007	13
48-CD-116(P,N)49-IN-116,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425010	13
48-CD-116(P,N)49-IN-116,PAR,DA	2.50+07	2JPNTOH	82	MURAKAMI+	J,NP/A,377,163,82	E1425013	13
50-SN-118(P,D)50-SN-117,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416010	16
50-SN-118(P,D)50-SN-117,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416014	16
50-SN-118(P,D)50-SN-117,PAR,DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416030	16
50-SN-118(P,D)50-SN-117,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416011	17
50-SN-118(P,D)50-SN-117,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416015	17
50-SN-118(P,D)50-SN-117,PAR,POL/DA	2.20+07	2JPNTSU	83	AOKI+	J,NP/A,393,52,83	E1416031	17
52-TE-122(P,EL)52-TE-122,PAR,DA	5.19+07	2JPNKYU	75	MATOBA+	J,NP/A,237,260,75	E1415002	26
52-TE-122(P,INL)52-TE-122,PAR,DA	5.19+07	2JPNKYU	75	MATOBA+	J,NP/A,237,260,75	E1415007	24
52-TE-122(P,INL)52-TE-122,PAR,DA	5.19+07	2JPNKYU	75	MATOBA+	J,NP/A,237,260,75	E1415008	24
52-TE-122(P,INL)52-TE-122,PAR,DA	5.19+07	2JPNKYU	75	MATOBA+	J,NP/A,237,260,75	E1415013	24
52-TE-122(P,INL)52-TE-122,PAR,DA	5.19+07	2JPNKYU	75	MATOBA+	J,NP/A,237,260,75	E1415021	19
52-TE-122(P,INL)52-TE-122,PAR,DA	5.19+07	2JPNKYU	75	MATOBA+	J,NP/A,237,260,75	E1415030	20
52-TE-122(P,T)52-TE-120,PAR,DA	5.19+07	2JPNKYU	76	MOTABA+	J,NP/A,261,223,76	E1419004	20
52-TE-122(P,T)52-TE-120,PAR,DA	5.19+07	2JPNKYU	76	MOTABA+	J,NP/A,261,223,76	E1419007	20
52-TE-122(P,T)52-TE-120,PAR,DA	5.19+07	2JPNKYU	76	MOTABA+	J,NP/A,261,223,76	E1419011	19
52-TE-122(P,T)52-TE-120,PAR,DA	5.19+07	2JPNKYU	76	MOTABA+	J,NP/A,261,223,76	E1419015	18

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
52-TE-124(P,EL)52-TE-124,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415003	27
52-TE-124(P,INL)52-TE-124,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415009	24
52-TE-124(P,INL)52-TE-124,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415014	24
52-TE-124(P,INL)52-TE-124,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415022	8
52-TE-124(P,INL)52-TE-124,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415023	19
52-TE-124(P,T)52-TE-122,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419008	22
52-TE-124(P,T)52-TE-122,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419012	21
52-TE-126(P,EL)52-TE-126,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415004	27
52-TE-126(P,INL)52-TE-126,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415010	22
52-TE-126(P,INL)52-TE-126,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415015	23
52-TE-126(P,INL)52-TE-126,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415016	11
52-TE-126(P,INL)52-TE-126,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415024	21
52-TE-126(P,INL)52-TE-126,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415025	11
52-TE-126(P,INL)52-TE-126,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415031	21
52-TE-126(P,T)52-TE-124,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419005	20
52-TE-126(P,T)52-TE-124,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419009	23
52-TE-126(P,T)52-TE-124,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419013	21
52-TE-128(P,EL)52-TE-128,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415005	27
52-TE-128(P,INL)52-TE-128,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415011	25
52-TE-128(P,INL)52-TE-128,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415017	24
52-TE-128(P,INL)52-TE-128,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415018	17
52-TE-128(P,INL)52-TE-128,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415026	19
52-TE-128(P,INL)52-TE-128,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415027	16
52-TE-128(P,INL)52-TE-128,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415032	18
52-TE-128(P,T)52-TE-126,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419006	18
52-TE-128(P,T)52-TE-126,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419010	18
52-TE-128(P,T)52-TE-126,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419014	18
52-TE-130(P,EL)52-TE-130,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415006	26
52-TE-130(P,INL)52-TE-130,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415012	25
52-TE-130(P,INL)52-TE-130,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415019	25
52-TE-130(P,INL)52-TE-130,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415020	23
52-TE-130(P,INL)52-TE-130,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415028	21
52-TE-130(P,INL)52-TE-130,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415029	13
52-TE-130(P,INL)52-TE-130,PAR,DA	5.19+07	2JPNKYU	75	MATOB+	J,NP/A,237,260,75	E1415033	19
52-TE-130(P,T)52-TE-128,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419002	20
52-TE-130(P,T)52-TE-128,PAR,DA	5.19+07	2JPNKYU	76	MOTOB+	J,NP/A,261,223,76	E1419003	21
60-ND-142(P,D)60-ND-141,PAR,DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420014	20
60-ND-142(P,D)60-ND-141,PAR,DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420016	20
60-ND-142(P,D)60-ND-141,PAR,DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420018	15
60-ND-142(P,D)60-ND-141,PAR,POL/DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420015	20
60-ND-142(P,D)60-ND-141,PAR,POL/DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420017	20
60-ND-142(P,D)60-ND-141,PAR,POL/DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420019	15
60-ND-144(P,D)60-ND-143,PAR,DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420020	18
60-ND-144(P,D)60-ND-143,PAR,DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420022	18
60-ND-144(P,D)60-ND-143,PAR,POL/DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420021	18
60-ND-144(P,D)60-ND-143,PAR,POL/DA	2.20+07	2JPNNTSU	81	TOBA+	J,NP/A,359,76,81	E1420023	17
68-ER-166(A,EL)68-ER-166,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403016	34
68-ER-166(A,INL)68-ER-166,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403017	32
68-ER-166(A,INL)68-ER-166,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403018	30
68-ER-166(A,INL)68-ER-166,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403019	24
68-ER-166(HE3,EL)68-ER-166,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403008	37
68-ER-166(HE3,INL)68-ER-166,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403009	32
68-ER-166(HE3,INL)68-ER-166,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403010	30
68-ER-166(HE3,INL)68-ER-166,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403011	22
68-ER-166(P,EL)68-ER-166,PAR,DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403002	18

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
68-ER-166(P,EL)68-ER-166,PAR,POL/DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403024	16
68-ER-166(P,INL)68-ER-166,PAR,DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403003	17
68-ER-166(P,INL)68-ER-166,PAR,DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403004	14
68-ER-166(P,INL)68-ER-166,PAR,POL/DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403025	17
68-ER-166(P,INL)68-ER-166,PAR,POL/DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403026	14
70-YB-176(A,EL)70-YB-176,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403020	44
70-YB-176(A,INL)70-YB-176,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403021	43
70-YB-176(A,INL)70-YB-176,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403022	43
70-YB-176(A,INL)70-YB-176,PAR,DA	1.20+08	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403023	41
70-YB-176(HE3,EL)70-YB-176,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403012	39
70-YB-176(HE3,INL)70-YB-176,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403013	32
70-YB-176(HE3,INL)70-YB-176,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403014	32
70-YB-176(HE3,INL)70-YB-176,PAR,DA	9.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403015	26
70-YB-176(P,EL)70-YB-176,PAR,DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403005	20
70-YB-176(P,EL)70-YB-176,PAR,POL/DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403027	19
70-YB-176(P,INL)70-YB-176,PAR,DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403006	18
70-YB-176(P,INL)70-YB-176,PAR,DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403007	15
70-YB-176(P,INL)70-YB-176,PAR,POL/DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403028	18
70-YB-176(P,INL)70-YB-176,PAR,POL/DA	3.00+07	2JPNKTO	92	KAMIGAITO+	J,PR/C,45,1533,92	E1403029	15
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434005	19
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434016	17
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434026	19
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434027	18
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434028	16
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434029	20
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434030	19
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434033	19
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434034	19
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434035	18
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434036	18
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434042	20
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434043	15
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434050	18
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434051	17
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434053	19
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434062	18
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434063	17
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434064	17
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434067	12
82-PB-204(P,T)82-PB-202,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434068	10
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434004	18
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434010	18
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434011	14
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434012	17
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434013	16
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434014	16
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434015	18
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434018	16
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434019	16
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434023	19
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434024	18
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434025	18
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434039	17
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434040	17
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J,PR/C,27,1454,83	E1434041	16

REACTION-UNIT	ENERGY RANGE(EV)	LAB	YR	AUTHOR	REFERENCE	ACC.#	PTS
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434048	17
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434049	15
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434058	17
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434059	14
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434060	17
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434061	17
82-PB-206(P,T)82-PB-204,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434066	19
82-PB-208(A,A)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1409002	18
82-PB-208(A,A)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1409003	14
82-PB-208(A,A)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1409004	11
82-PB-208(A,A)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1409005	11
82-PB-208(A,A)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1409006	11
82-PB-208(A,INL)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1376002	18
82-PB-208(A,INL)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1376003	14
82-PB-208(A,INL)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1376004	11
82-PB-208(A,INL)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1376005	12
82-PB-208(A,INL)82-PB-208,PAR,DA	7.00+07	2JPNOSA	92	FUJITA+	J.PR/C,45,993.92	E1376006	11
82-PB-208(P,D)82-PB-207,PAR,DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420002	18
82-PB-208(P,D)82-PB-207,PAR,DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420003	15
82-PB-208(P,D)82-PB-207,PAR,DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420006	18
82-PB-208(P,D)82-PB-207,PAR,DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420007	18
82-PB-208(P,D)82-PB-207,PAR,DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420010	18
82-PB-208(P,D)82-PB-207,PAR,DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420012	9
82-PB-208(P,D)82-PB-207,PAR,POL/DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420004	18
82-PB-208(P,D)82-PB-207,PAR,POL/DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420005	15
82-PB-208(P,D)82-PB-207,PAR,POL/DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420008	18
82-PB-208(P,D)82-PB-207,PAR,POL/DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420009	18
82-PB-208(P,D)82-PB-207,PAR,POL/DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420011	18
82-PB-208(P,D)82-PB-207,PAR,POL/DA	2.20+07	2JPNTSU	81	TOBA+	J.NP/A,359,76.81	E1420013	9
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434002	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434003	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434006	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434007	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434008	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434009	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434017	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434020	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434021	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434022	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434031	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434032	15
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434037	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434038	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434044	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434045	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434046	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434047	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434052	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434054	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434055	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434056	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434057	17
82-PB-208(P,T)82-PB-206,PAR,DA	5.19+07	2JPNTOH	83	TAKAHASHI+	J.PR/C,27,1454.83	E1434065	13