

90-Th-232 (n, γ) 90-Th-233

Abundance (%) = 100	T _{1/2} = 1.405·10 ¹⁰ y 6
Q = 4.78639 MeV	E _{thr} = 0.0
T _{1/2} = 22.3 m 1	
E _{γ} = 29.36 ± 0.04 keV	I _{γ} = 2.5 β^-
E _{γ} = 86.48 ± 0.06 keV	I _{γ} = 2.7 β^-

IRDF-90	- eval. - Dec 1977 M. Bhat, A. Smith, B. Leonard, G. de Saussure.
D-99 (JENDL/D-99)	- eval. - Mar 1987 T. Ohsawa.
ENDF/B-VI	- eval. - Dec 1977 M. Bhat, A. Smith, B. Leonard, G. de Saussure.
JENDL-3.2	- eval. - Mar 1987 T. Ohsawa.
JEF-2	- eval. - Jun 1982 JEF SCG.
BROND-2	- eval. - Nov 1983 M. Nikolaev et al.

Tabl. 1

U-235						
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2
10%	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.95E-01
50%	8.80E-01	8.80E-01	8.80E-01	9.00E-01	8.50E-01	8.80E-01
90%	2.10	2.10	2.15	2.10	2.27	2.10
ACS	9.42E-02	8.77E-02	9.42E-02	8.77E-02	1.03E-01	9.53E-02

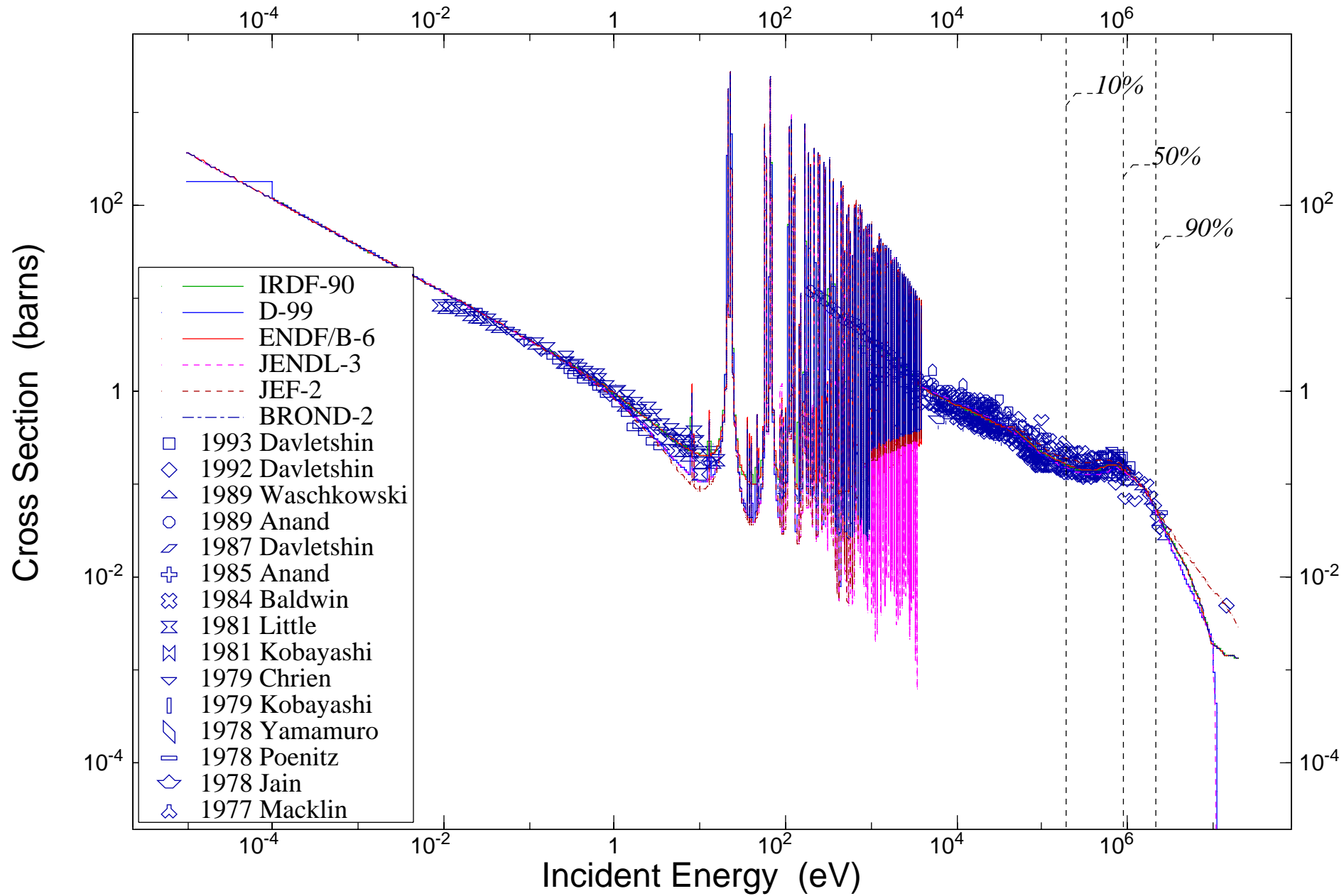
Tabl. 2

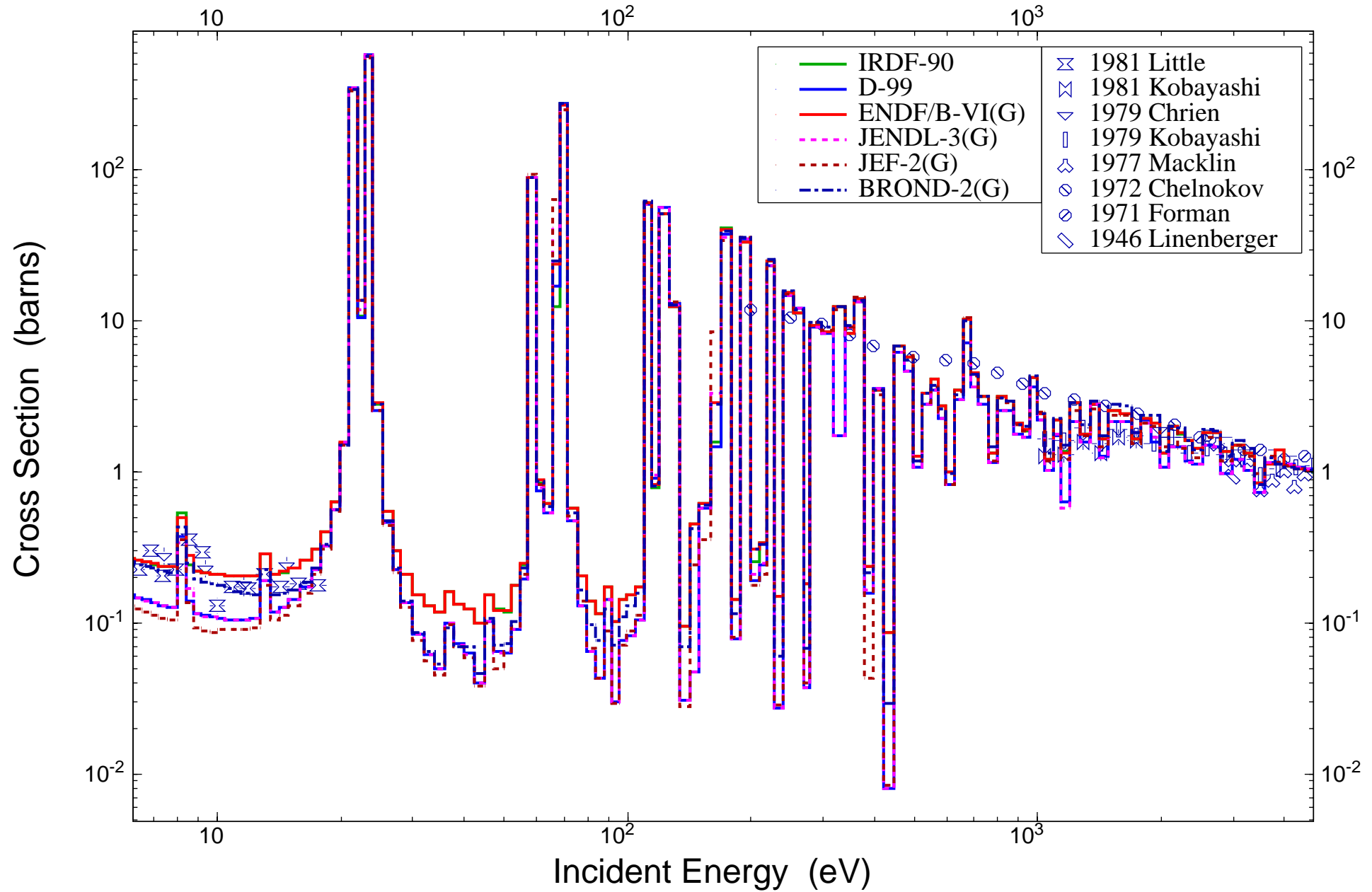
Cf-252						
	IRDF-90	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2
10%	2.10E-01	2.10E-01	2.10E-01	2.10E-01	2.10E-01	2.20E-01
50%	8.80E-01	9.20E-01	9.00E-01	9.32E-01	8.80E-01	9.00E-01
90%	2.20	2.20	2.25	2.20	2.34	2.20
ACS	8.97E-02	8.34E-02	8.97E-02	8.34E-02	9.84E-02	9.07E-02

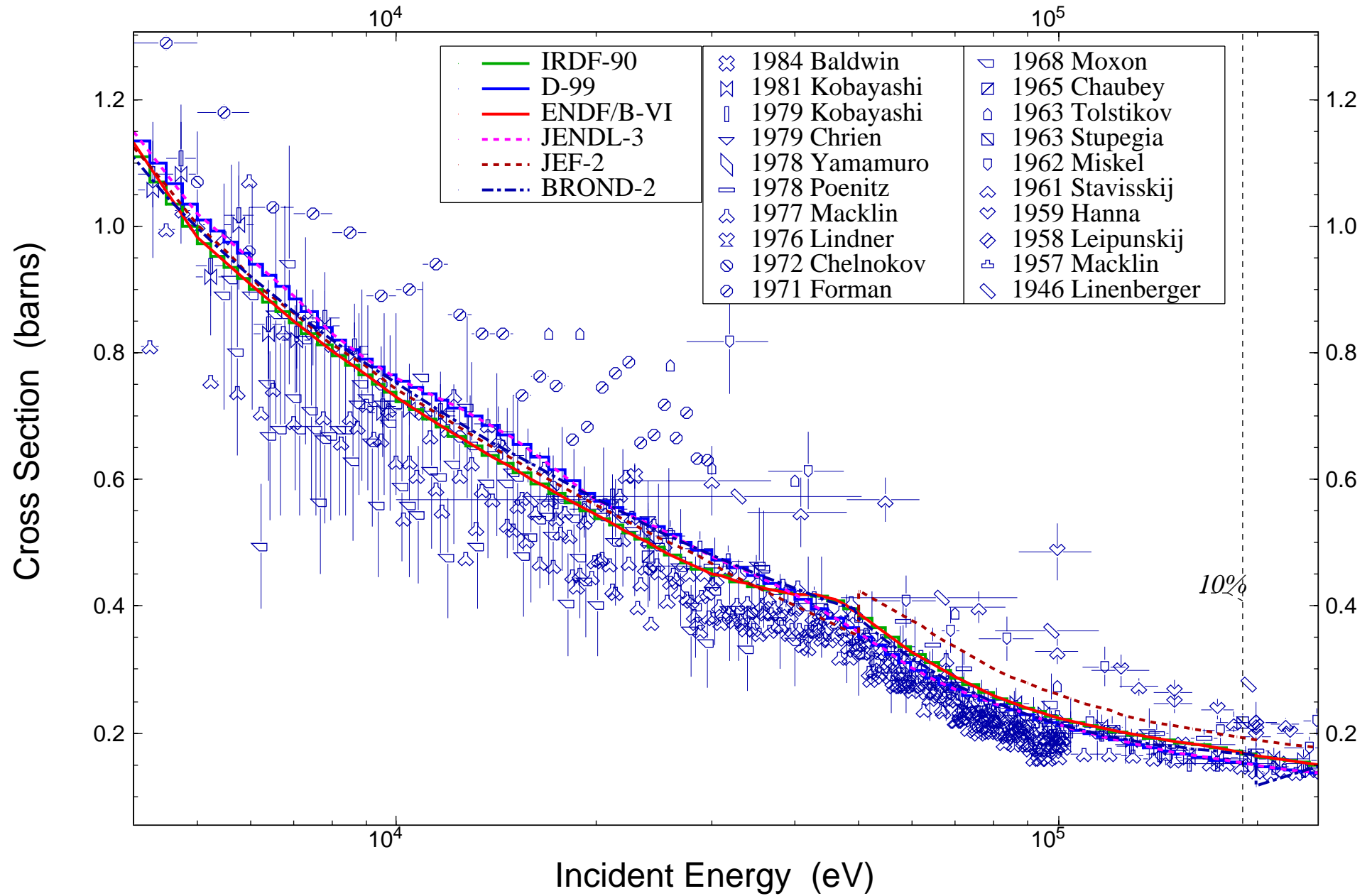
Tabl. 3

1.2+05 9.4+05	15	1USALRL 1USALAS	J,NSE,59,381	7604 M.LINDNER,	10221058
3.0+05 1.7+06	6	1USALRL 1USALAS	J,NSE,59,381	7604 M.LINDNER,	10221059
6.0+05 2.7+06	8	1USALRL 1USALAS	J,NSE,59,381	7604 M.LINDNER,	10221060
2.0+03 3.0+04	28	1USALAS	C,71KNOX,2,735	71 L.FORMAN,	10250004
2.7+03 1.0+05	400	1USAORL	J,NSE,64,849	7712 R.L.MACKLIN,	10554002
1.0+05 7.9+05	70	1USAORL	J,NSE,64,849	7712 R.L.MACKLIN,	10554003
8.0+05 9.3+05	6	1USAORL	J,NSE,64,849	7712 R.L.MACKLIN,	10554004
5.8+04 8.5+05	15	1USAANL	R,ANL-NDM-42	7803 W.P.POENITZ,	10735002
2.4+05 2.5+06	7	1USAANL	R,ANL-NDM-42	7803 W.P.POENITZ,	10735003
3.0+04 3.0+04	1	1USAANL	R,ANL-NDM-42	7803 W.P.POENITZ,	10735004
2.0+03 2.4+04	2	1USABNL	J,NSE,72,202	7911 R.E.CHRIEN,	10793003
3.5-02 1.5+01	45	1USABNL	J,NSE,72,202	7911 R.E.CHRIEN,	10793008
8.9-03 1.9+01	112	1USARPI 1USAKAP	J,NSE,79,175	8110 R.C.LITTLE,	10956004
2.4+04 2.4+04	1	1USAORL	J,PR,107,504	57 R.L.MACKLIN,	11399051
3.0+03 3.9+05	7	1USALAS	R,LA-467	4601 G.A.LINENBERGER,	11945011
3.2+04 2.5+05	7	1USALRL	J,PR,128,2717	62 J.A.MISKEL,	12115009
6.9+04 9.9+05	11	1USALRL	J,PR,128,2717	62 J.A.MISKEL,	12115010
1.9+05 1.2+06	22	1USAANL	J,JIN,25,627	63 D.C.STUPEGIA,	12260002
2.3+04 2.3+04	1	1USAMHG	J,NSE,88,123	8410 G.T.BALDWIN,	12748002
9.8-02 3.4+00	47	2SWDUPP	J,NUK,11,61	6805 G.LUNDGREN	20006002

2.4+04 2.4+04	1	2JPNKTO	J,NST,15,637	7809 N.YAMAMURO,	20697005
1.0+03 4.5+05	61	2JAPKTO	W,KOBAYASHI	7904 K.KOBAYASHI,	20871002
1.0+05 1.2+06	24	2UK HAR	J,JNE,8,197	5901 R.C.HANNA,	21067002
2.5-02 2.5-02	1	2UK HAR	J,JNE,1,234	5502 V.S.CROCKER	21181005
5.5+03 1.5+05	98	2UK HAR	R,NP-17644	6807 M.C.MOXON	21334002
1.4+07 1.5+07	1	2UK ALD	J,PPS,72,505	58 J.L.PERKIN,	21438030
1.0+03 4.1+05	60	2JPNKTO	J,NST,18,(11),823	8111 K.KOBAYASHI,	21748002
2.4+04 1.5+05	3	2JPNKTO	J,NST,18,(11),823	8111 K.KOBAYASHI,	21748003
2.5-02 2.5-02	1	2GERMUN	J,ZN/A,44,173	89 W.WASCHKOWSKI,	22138005
2.4+04 2.4+04	1	3INDMUA	J,NP,66,267	6505 A.K.CHAUBEY,	30063012
3.5+05 6.8+05	3	3INDTRM	C,78HARWELL	7809 H.M.JAIN,	30465002
4.0+05 9.4+05	9	3INDTRM	C,85SANTA,1,525	8505 R.P.ANAND,	30727002
4.2+05 9.5+05	10	3INDTRM	J,ANE,16,(2),87	89 R.P.ANAND,	30781002
2.0+02 3.5+04	26	4CCPFEI	R,YFI-13,6	72 V.B.CHELNOKOV,	40105007
2.0+05 2.0+05	1	4RUSFEI	C,58GENEVA,15,50(2219)	5809 A.I.LEIPUNSKIJ,	40244064
2.0+05 2.0+05	1	4RUSFEI	C,58GENEVA,15,50(2219)	5809 A.I.LEIPUNSKIJ,	40244083
2.0+05 2.0+05	1	4RUSFEI	C,58GENEVA,15,50(2219)	5809 A.I.LEIPUNSKIJ,	40244126
2.5-02 2.5-02	1	4CCPKUR	J,AE,2,(1),22	57 G.G.MJASISHCHEVA,	40357006
2.5-02 2.5-02	1	4CCPKUR	J,AE,2,(1),22	57 G.G.MJASISHCHEVA,	40357009
3.0+04 9.7+05	25	4CCPFEI	J,AE,10,(5),508	6105 JU.JA.STAVISSKIJ,	40642005
5.3+03 1.0+05	10	4CCPFEI	J,AE,15,(5),414	63 V.A.TOLSTIKOV,	40803002
2.5-02 2.5-02	1	4CCPFEI	C,87KIEV,2,309	8709 A.N.DAVLETSHIN,	40988003
8.1+05 2.4+06	5	4RUSFEI	J,YK,,(1),41	92 A.N.DAVLETSHIN,	41121002
8.1+05 2.4+06	5	4RUSFEI	J,YK,,(1),41	92 A.N.DAVLETSHIN,	41121002
3.7+05 1.0+06	5	4RUSFEI	J,YK,1993,(1),13	9303 A.N.DAVLETSHIN,	41183003
3.7+05 1.0+06	5	4RUSFEI	J,YK,1993,(1),13	9303 A.N.DAVLETSHIN,	41183003
2.5-02 2.5-02	1	2FR SAC	R,TID-7547,39	57 P.HUBERT,	60880002
2.5-02 2.5-02	1	2UK HAR	P,NRDC-84,9	5512 J.E.EGELSTAFF,	61121002

$^{232}\text{Th}(n,\gamma)^{233}\text{Th}$ 

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