

73-Ta-181 (n, γ) 73-Ta-182

Abundance (%)	=	99.988 ± 0.002			
Q	=	6.06300 MeV	E _{thr}	=	0.0
T _{1/2}	=	114.43 d			
E _{γ}	=	67.75001 ± 0.00019 keV	I _{γ}	=	41.57 ± 0.95 β^-
E _{γ}	=	1121.3008 ± 0.0017 keV	I _{γ}	=	34.90 ± 0.61 β^-
E _{γ}	=	1221.4066 ± 0.0017 keV	I _{γ}	=	26.98 ± 0.48 β^-
D-99 (JENDL/D-99)		- eval. - Mar 1987 N. Yamamuro.			
ENDF/B-VI		- eval. - Jan 1972 R. Howerton, S. Perkins, M. MacGregor.			
JENDL-3.2		- eval. - Mar 1987 N. Yamamuro.			
JEF-2		- eval. - Jun 1982 JEF SCG.			
BROND-2		- eval. - May 1988 G. Manturov, J. Korchagina.			
CENDL-2		- eval. - Feb 1989 Y. Li-Shan.			

Tabl. 1

U-235						
	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	1.05E-01	1.35E-01	1.05E-01	1.35E-01	1.10E-01	1.20E-01
50%	7.60E-01	6.90E-01	7.60E-01	7.00E-01	7.20E-01	7.21E-01
90%	2.10	2.00	2.10	2.00	2.10	2.10
ACS	8.82E-02	1.07E-01	8.82E-02	1.07E-01	9.08E-02	9.98E-02

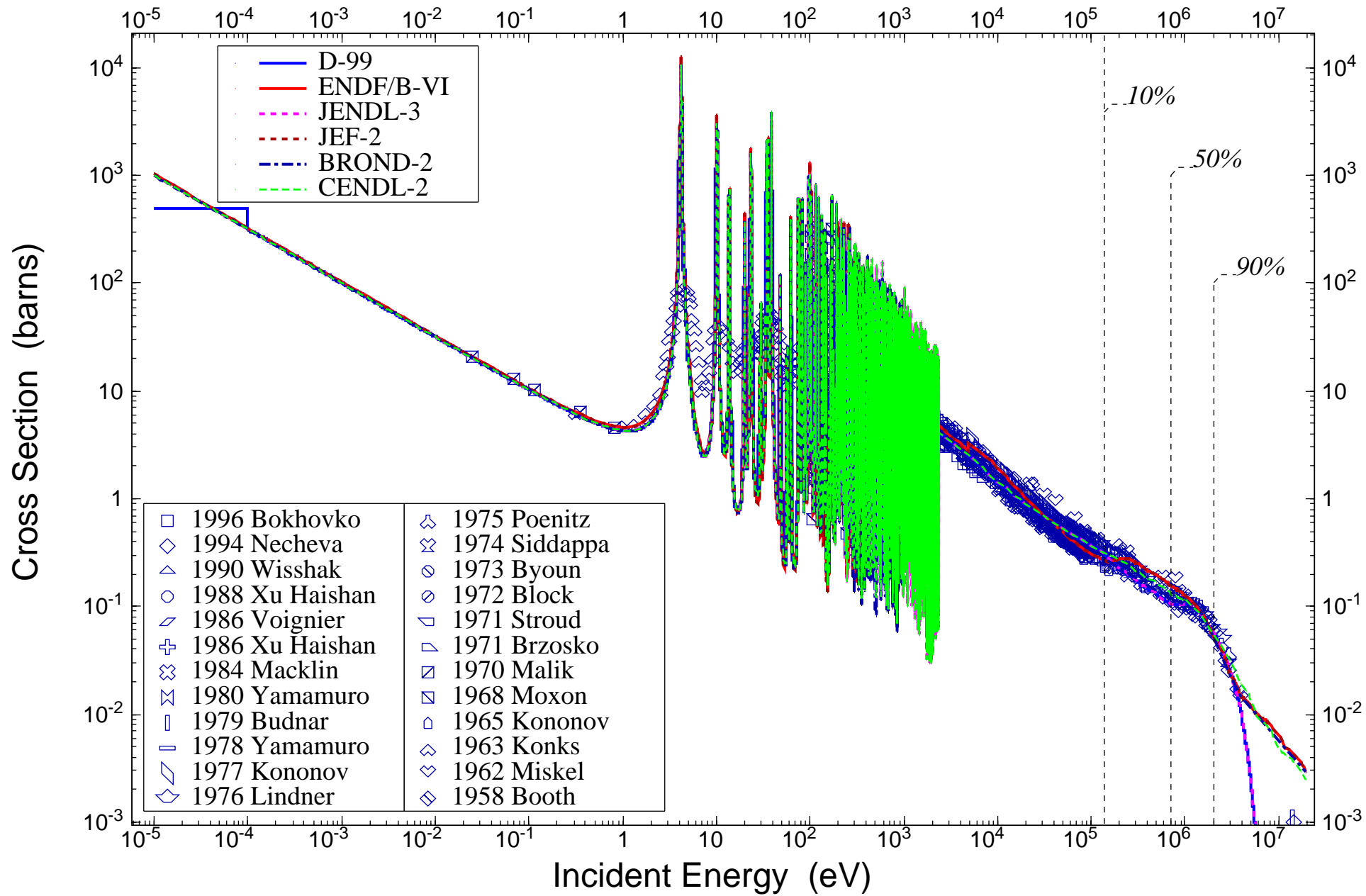
Tabl. 2

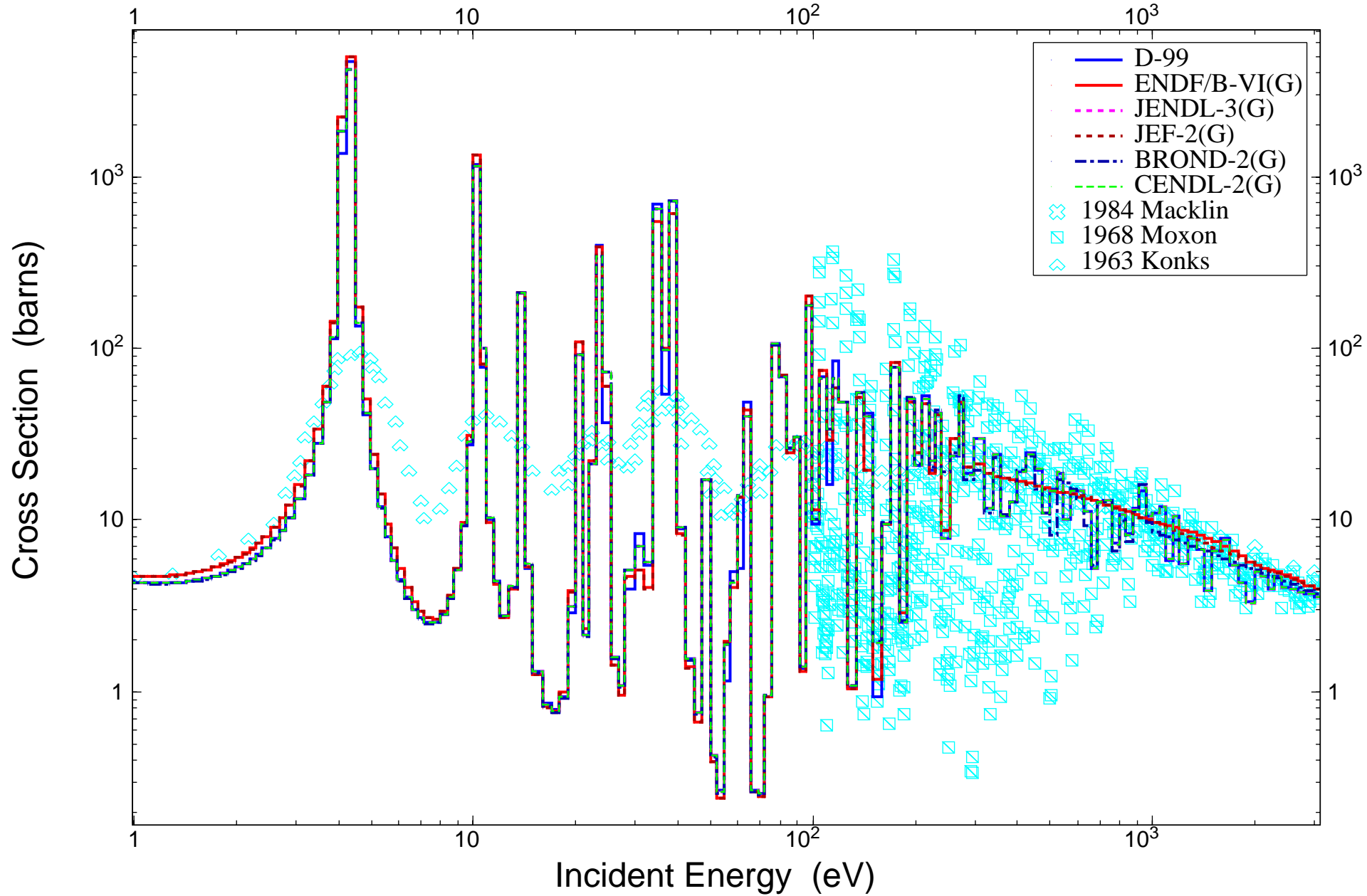
Cf-252						
	D-99	ENDF/B-VI	JENDL-3	JEF-2	BROND-2	CENDL-2
10%	1.20E-01	1.50E-01	1.20E-01	1.50E-01	1.30E-01	1.37E-01
50%	8.00E-01	7.20E-01	8.00E-01	7.25E-01	8.00E-01	7.60E-01
90%	2.10	2.10	2.12	2.10	2.20	2.30
ACS	8.29E-02	1.01E-01	8.29E-02	1.00E-01	8.56E-02	9.41E-02

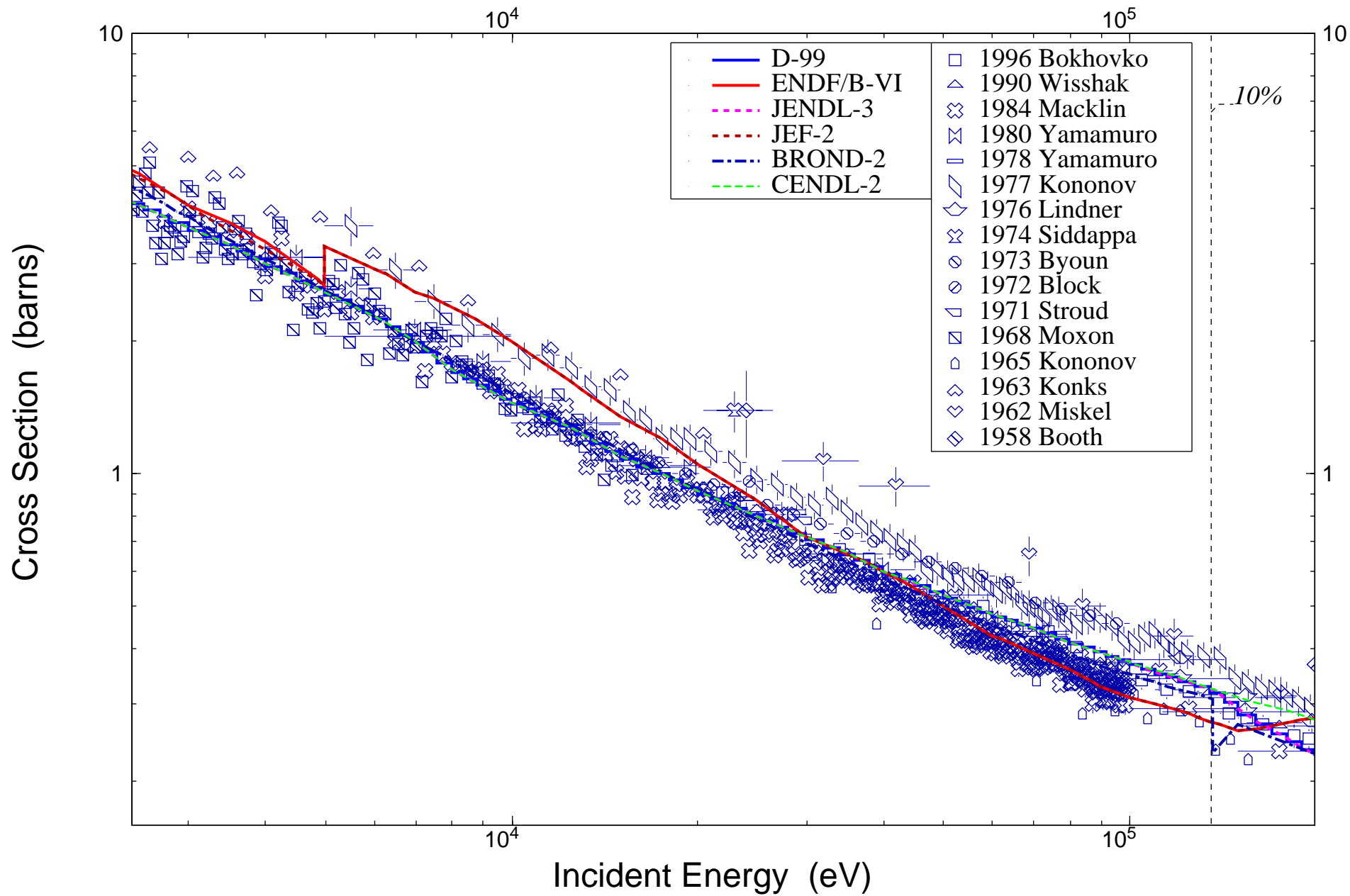
Tabl. 3

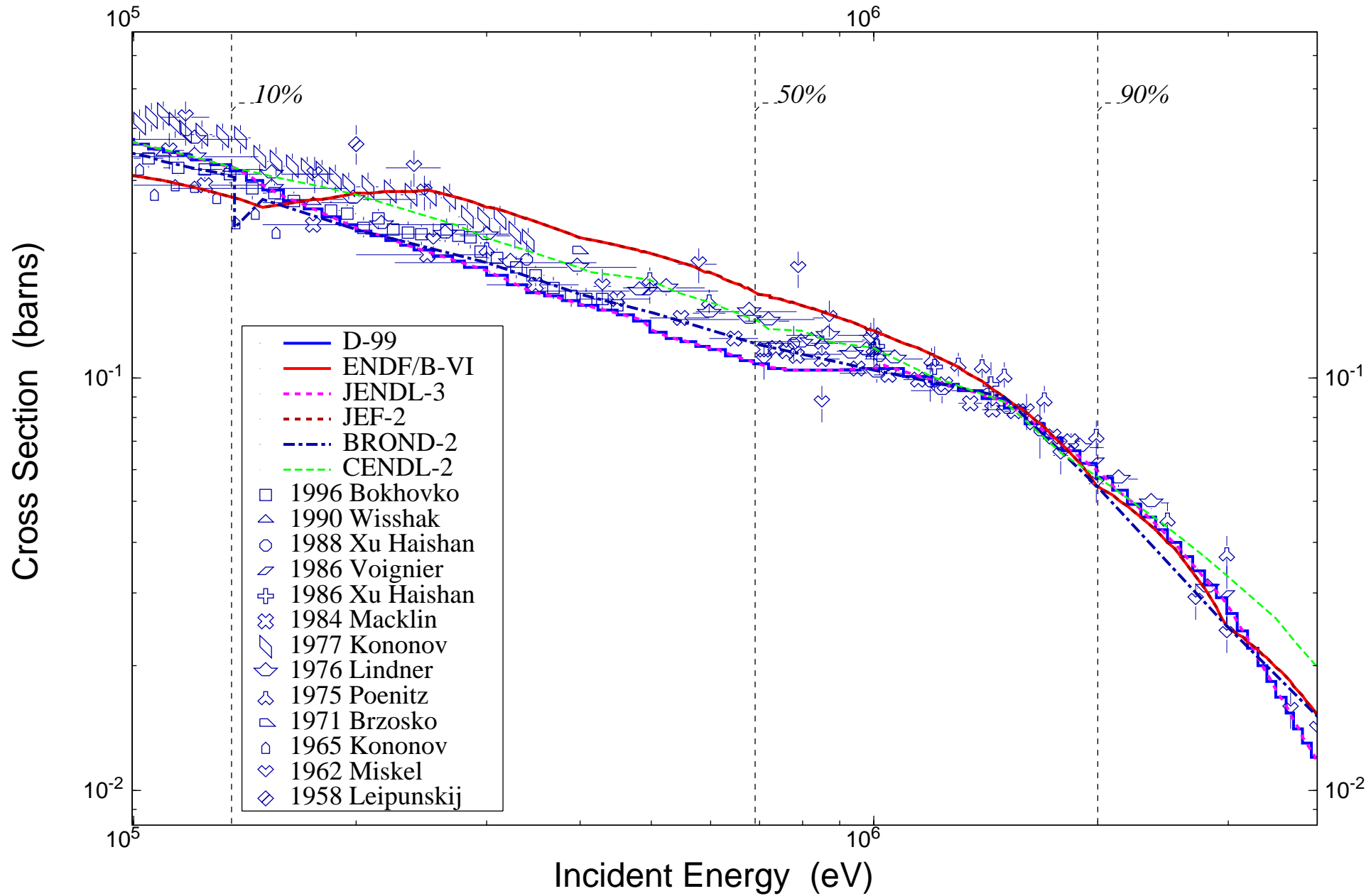
1.2+05 9.8+05	16	1USALRL 1USALAS	J,NSE,59,381	7604 M.LINDNER,	10221041
3.0+05 1.7+06	7	1USALRL 1USALAS	J,NSE,59,381	7604 M.LINDNER,	10221042
6.0+05 2.8+06	8	1USALRL 1USALAS	J,NSE,59,381	7604 M.LINDNER,	10221043
3.0+05 3.0+06	14	1USAANL	R,ANL-NDM-15	7506 W.P.POENITZ	10401003
7.0-02 8.4-01	4	1USABNL	J,NIM,86,83	70 S.S.MALIK,	10501008
2.5-02 2.5-02	1	1USABNL	J,NIM,86,83	70 S.S.MALIK,	10501010
8.2+03 1.0+05	25	1USARPI	T,BYOUN	7305 T.Y.BYOUN	10577019
2.4+04 2.4+04	1	1USARPI	C,72KIAMESHA,2,1107	7209 R.C.BLOCK,	10594004
2.4+04 2.4+04	1	1USALRL	J,PR,112,226	58 R.BOOTH,	11429026
3.2+04 2.5+05	7	1USALRL	J,PR,128,2717	62 J.A.MISKEL,	12115003
6.9+04 4.0+06	19	1USALRL	J,PR,128,2717	62 J.A.MISKEL,	12115004
2.7+03 1.0+05	388	1USAORL	J,NSE,86,362	8404 R.L.MACKLIN	12820002
1.0+05 1.9+06	22	1USAORL	J,NSE,86,362	8404 R.L.MACKLIN	12820003
2.4+04 2.4+04	1	2JPNKTO	J,NST,15,637	7809 N.YAMAMURO,	20697004
1.0+02 1.7+04	829	2UK HAR	R,NP-17644	68 M.C.MOXON,	20914008
3.2+03 8.0+04	16	2JPNKTO	J,NST,17,(8),582	8008 N.YAMAMURO,	21466005
5.0+05 3.0+06	4	2FR BRC	J,NSE,93,43	86 J.VOIGNIER,	22006016
3.0+03 2.0+05	12	2GERKFK	J,PR/C,42,1731	9010 K.WISSHAK,	22195004
4.0+05 4.0+05	1	3POLWWA	J,APP/B,2,489	71 J.S.BRZOSKO,	30159020
2.3+04 2.3+04	1	3INDAUW	J,AP,83,355	74 K.SIDDAPPA,	30502010

3.0+04 3.0+04	1	3AULAUA	P,AAEC/PR-34P,9	7104 D.B.STROUD,	30506002
1.4+07 1.4+07	1	3YUGNJS	R,INDC(YUG)-6	7912 M.BUDNAR,	30532048
1.0+06 1.4+06	3	3CPRSIU	J,NTC,9,(9),5	8609 XU HAISHAN,	30741003
1.4+07 1.5+07	1	3BULSOF	J,JP/GL,20,(2),33	9402 CHR.NECHEVA,	31429002
3.4+05 1.7+06	6	3CPRSIU	C,88MITO,,803	8805 XU HAISHAN,	32105005
3.3+04 1.6+05	15	4CCPFEI	R,FEI-29	65 V.N.KONONOV,	40076003
2.0+05 2.0+05	1	4RUSFEI	C,58GENEVA,15,50(2219)	5809 A.I.LEIPUNSKIJ,	40244124
5.0+03 3.5+05	75	4CCPFEI	R,YK-22,29	77 V.N.KONONOV,	40520004
3.2-01 4.5+04	148	4CCPLEB	J,ZET,46,(1),80	63 V.A.KONKS,	40799005
2.0+04 4.6+05	48	4RUSFEI	W,KONONOV	9610 M.V.BOKHOVKO,	41225002

$^{181}\text{Ta}(n,\gamma)^{182}\text{Ta}$ 

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