

12-Mg-24 (n, p) 11-Na-24

Abundance (%)	=	78.99 ± 0.04		
Q	=	-4.73346 MeV	E _{thr}	= 4.93253 MeV
T _{1/2}	=	14.9590 h		
E _γ	=	1368.633 keV	I _γ	= 100.0 β
E _γ	=	2754.028 keV	I _γ	= 99.944 ± 0.004 β

IRDF-90	- eval. - Apr 1991 M. Wagher et al.
D-99 (JENDL/D-99)	- eval. - Feb 1996 K. Kobayashi.
RRDF-98	- eval. - Aug 1994 S. Babikov, K. Zolotarev.
ENDF/B-VI	- eval. - Nov 1979 F. Mann, N. Larson.
JENDL-3.2	- eval. - Mar 1987 M. Hatchya, T. Asami.

Tabl. 1

U-235					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	6.60	6.60	6.60	6.50	6.50
50%	8.00	8.00	8.00	7.90	7.90
90%	10.40	10.40	10.40	10.40	10.40
ACS	1.49E-03	1.51E-03	1.48E-03	1.59E-03	1.58E-03

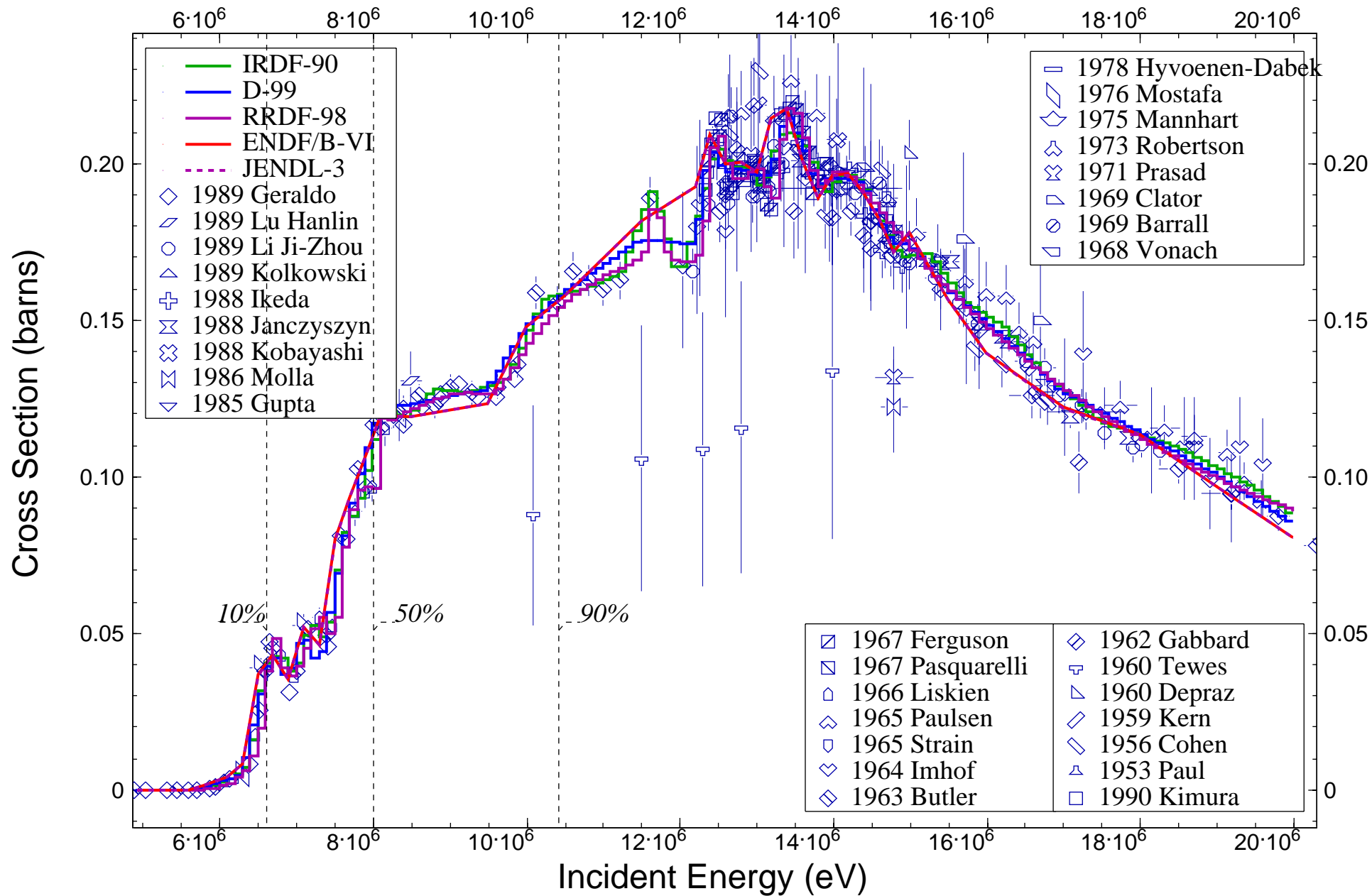
Tabl. 2

Cf-252					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	6.70	6.70	6.70	6.60	6.60
50%	8.20	8.20	8.20	8.11	8.11
90%	10.90	10.90	10.90	10.90	10.90
ACS	2.21E-03	2.24E-03	2.20E-03	2.34E-03	2.33E-03

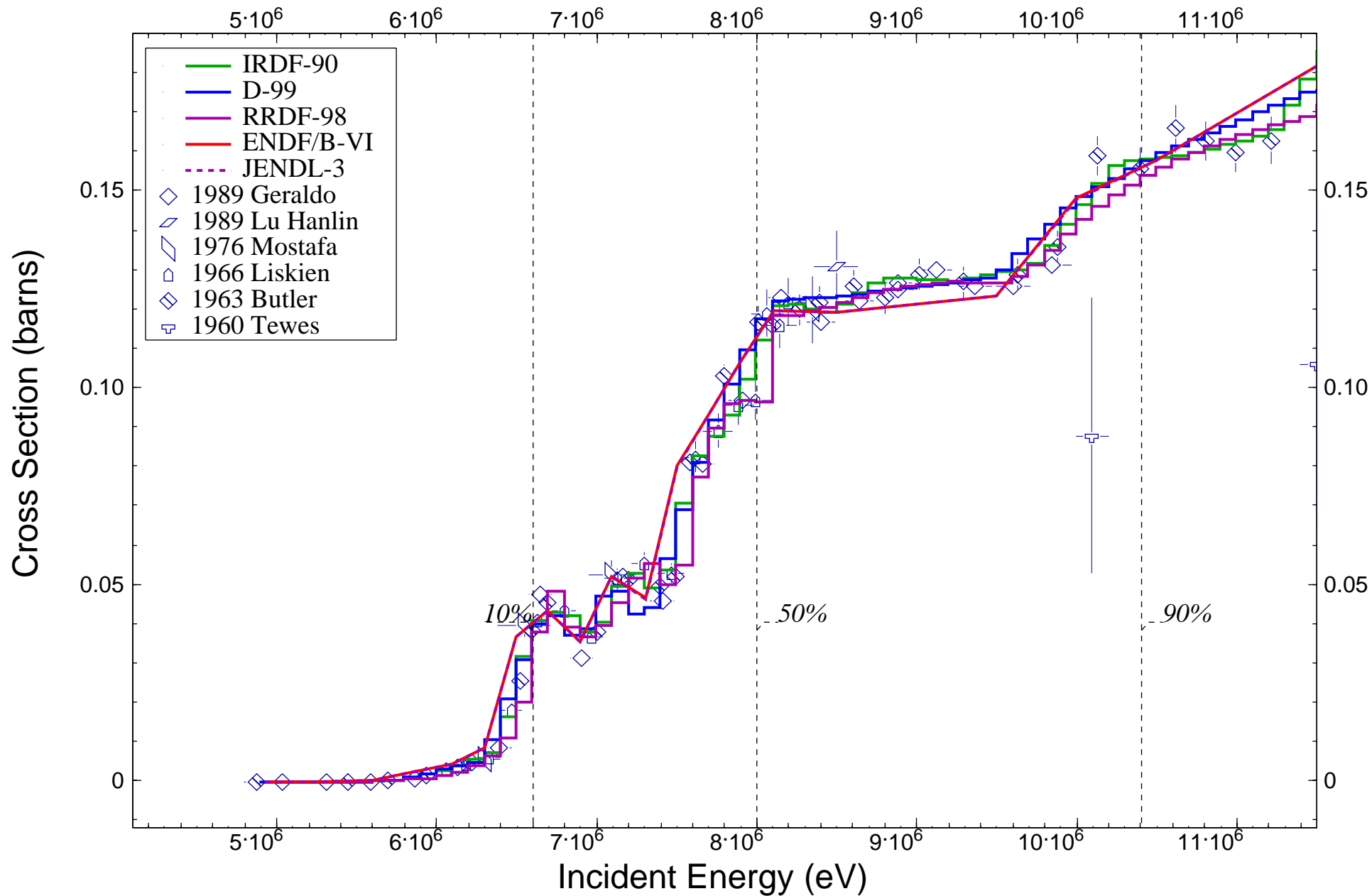
Tabl. 3

1.5+07	1.5+07	1	1USASTF	R,AFWL-TR-68-134	6903 R.C.BARRALL,	10022004
1.5+07	1.5+07	1	1USAORL	R,ORNL-3672	6501 J.E.STRAIN,	11263008
1.4+07	1.5+07	1	1CANCRC	J,CJP,31,267	53 E.B.PAUL,	11274007
4.9+06	4.9+06	1	1CANCRC	J,CJP,41,372	63 J.P.BUTLER,	11457002
5.4+06	1.4+07	33	1CANCRC	J,CJP,41,372	63 J.P.BUTLER,	11457003
1.3+07	2.0+07	13	1CANCRC	J,CJP,41,372	63 J.P.BUTLER,	11457004
1.3+07	1.3+07	1	1USANRD	J,NP,10,226	5905 B.D.KERN,	11464002
1.3+07	1.7+07	14	1USAKTY	J,PR,128,1276	62 F.GABBARD,	11494002
1.0+07	1.4+07	5	1USALRL	R,UCRL-6028-T	6006 H.A.TEWES,	11504002
1.2+07	1.4+07	53	1USANRD	J,NP/A,98,65	6705 J.M.FERGUSON,	11512002
1.2+07	2.0+07	24	1USALOK	W,IMHOF	6402 W.L.IMHOF	11526002
1.4+07	1.7+07	3	1USAWVU	T,CLATOR	69 I.G.CLATOR	11536002
5.0+06	9.9+06	22	1USAANL	J,ANE,16,293	8906 L.P.GERALDO,	13171002
1.3+07	2.0+07	23	2ZZZGEL	J,JNE/AB,19,907	6511 A.PAULSEN,	20378002
6.1+06	8.2+06	17	2ZZZGEL	J,NUK,8,315	6606 H.LISKIEN,	20387002
1.4+07	1.4+07	1	2GERMUN	J,ZP/A,272,279	7503 W.MANNHART,	20611002
1.5+07	1.5+07	1	2UK NPL	J,JNE,27,531	7308 J.C.ROBERTSON,	20799004
1.5+07	1.5+07	1	2GERMUN	C,68WASH,2,885	6803 H.K.VONACH,	20815005
1.5+07	1.5+07	1	2ITYTUR	J,NP/A,93,218	6703 A.PASQUARELLI	20889006
6.3+06	8.4+06	5	2UK BIR	J,NSP/B,9,10	7610 A.B.M.G.MOSTAFA	21049004
1.3+07	1.8+07	12	2UK LON	J,NP,1,73	5602 A.V.COHEN,	21115002
1.5+07	1.5+07	1	2FR LYO	J,JPR,21,377	6005 M.J.DEPRAZ,	21419002
1.5+07	1.5+07	1	2SF HLS	J,JRC,46,357	78 M.HYVOENEN-DABEK,	21886002
1.3+07	1.5+07	8	2JPNJAE	R,JAERI-1312	88 Y.IKEDA,	22089004

1.4+07	1.4+07	1	2JPNKTO	C,88MITO,261	88 K.KOBAYASHI,	22093003
1.5+07	1.5+07	1	2UK NPL	J,NIM/A,276,539	89 P.KOLKOWSKI,	22146002
1.5+07	1.5+07	1	3INDMUA	J,NC/A,3,(3),467	7106 R.PRASAD,	30336004
1.5+07	1.5+07	1	3CPRAEP	R,INDC(CPR)-16	8908 LI JI-ZHOU,	30595002
1.2+07	1.8+07	35	3CPRAEP	R,INDC(CPR)-16	8908 LI JI-ZHOU,	30595003
1.5+07	1.5+07	1	3INDMUA	J,PRM,24,637	85 J.P.GUPTA,	30707002
8.5+06	8.5+06	1	3CPRAEP	R,INDC(CPR)-16	8909 LU HANLIN,	30733003
1.4+07	1.8+07	13	3POLITJ	J,ANE,15,(3),155	88 J.JANCZYSZYN,	30799002
1.5+07	1.5+07	1	3BANSAV	R,INDC(BAN)-003	8609 N.I.MOLLA,	30825002

$^{24}\text{Mg}(n,p)^{24}\text{Na}$ 

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