

22-Ti-47 (n, p) 21-Sc-47

Abundance (%) = 7.44 ± 0.02
 $Q = 0.18226 \text{ MeV}$ $E_{\text{thr}} = 0.0$
 $T_{1/2} = 3.345 \text{ d}$
 $E_{\gamma} = 159.381 \pm 0.015 \text{ keV}$ $I_{\gamma} = 67.90 \pm 0.15$ β^{-}

IRDF-90 - eval. - Jan 1977 C. Rhilis, O. Bersillon, D. Smith et al.
 D-99 (JENDL/D-99) - eval. - Jan 1996 K. Kobayashi, N. Odano.
 ENDF/B-VI - eval. - Jan 1977 C. Rhilis, O. Bersillon, D. Smith et al.
 JENDL-3.2 - eval. - Sep 1988 K. Kobayashi, H. Hashikura.

Tabl. 1

U-235				
	IRDF-90	D-99	ENDF/B-VI	JENDL-3
10%	2.00	2.00	2.10	2.30
50%	3.70	3.60	3.75	3.90
90%	6.60	6.60	6.40	6.20
ACS	1.73E-02	1.66E-02	2.16E-02	2.41E-02

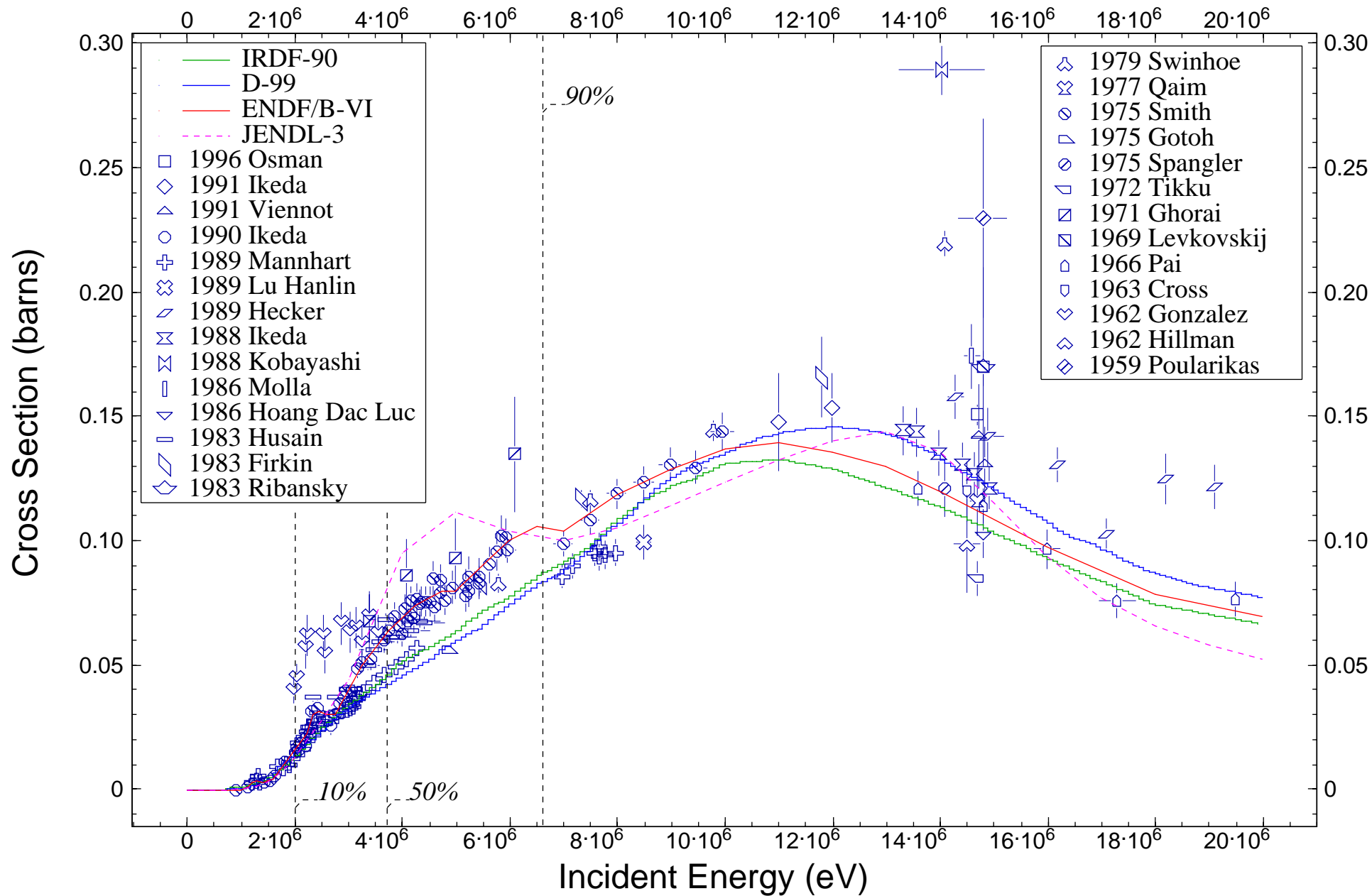
Tabl. 2

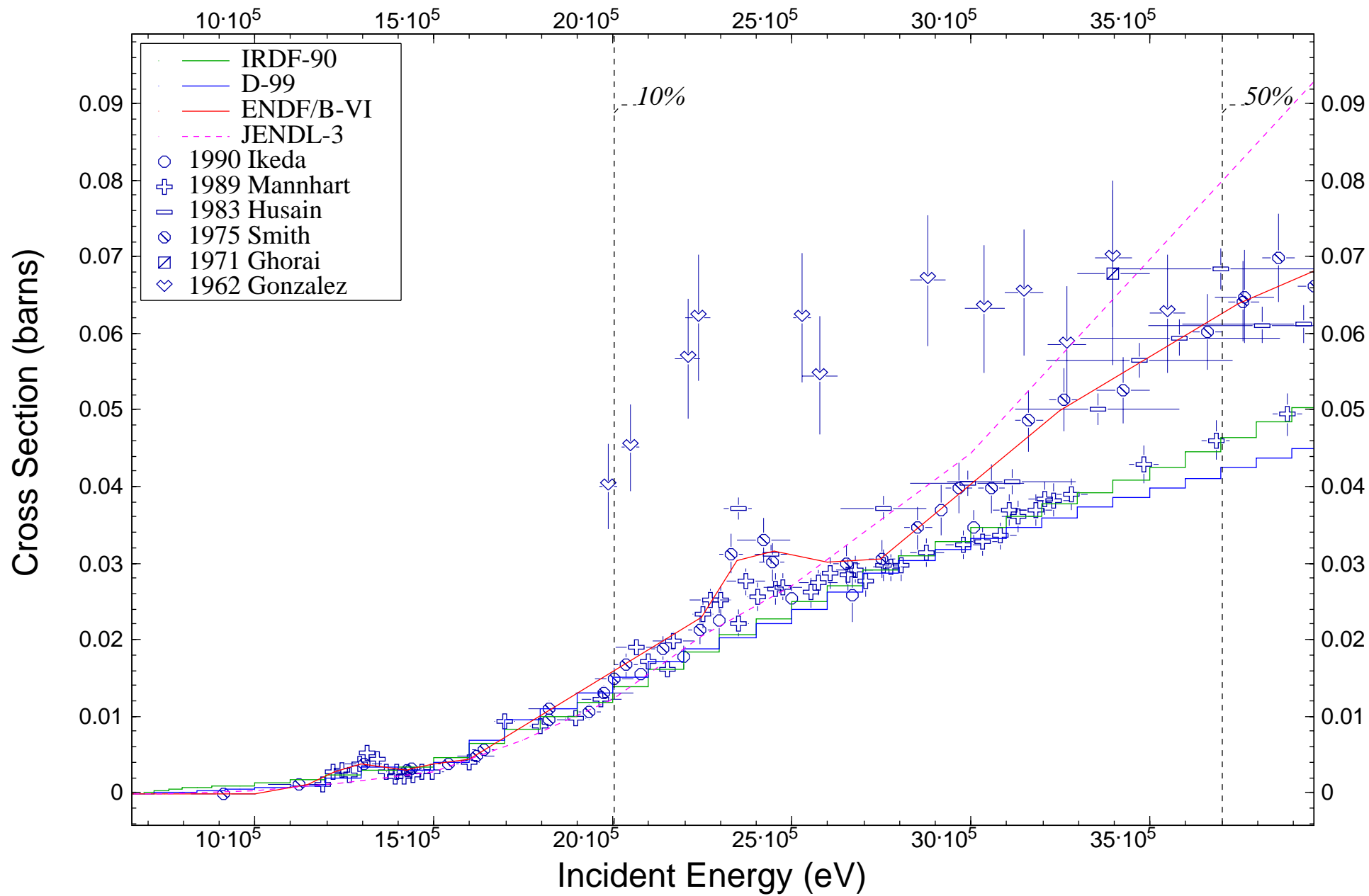
Cf-252				
	IRDF-90	D-99	ENDF/B-VI	JENDL-3
10%	2.10	2.10	2.20	2.30
50%	3.80	3.80	3.90	4.00
90%	7.00	7.10	6.80	6.50
ACS	1.94E-02	1.85E-02	2.41E-02	2.69E-02

Tabl. 3

3.4+06 6.1+06	4	1USAAUB	J,JNE,25,319	7108 S.K.GHORAI,	10180003
9.1+05 4.0+06	35	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238026
4.0+06 5.9+06	30	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238027
5.9+06 1.0+07	8	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238028
1.5+07 1.5+07	1	1USAARK	J,PR,115,989	59 A.POULARIKAS,	11484006
1.4+07 1.5+07	1	1USABNL	J,NP,37,78	62 M.HILLMAN	11610003
1.4+07 2.0+07	5	1CANTOR	J,CJP,44,2337	66 H.L.PAI	11630004
1.4+07 1.5+07	1	1CANCRC	P,EANDC(CAN)-16,1	6301 W.G.CROSS,	11631003
1.4+07 1.4+07	1	1USATEX	J,ANS,22,818	7511 R.SPANGLER,	12956009
1.4+07 1.9+07	6	1USAAUB 1USAALS	J,NIM/B,40/41,478	8904 W.V.HECKER,	13133002
1.2+06 1.9+06	20	1USAANL 2GERPTB	S,NEANDC-259,121	8909 W.MANNHART,	13176002
2.0+06 4.3+06	40	1USAANL 2GERPTB	S,NEANDC-259,121	8909 W.MANNHART,	13176003
7.0+06 8.0+06	7	1USAANL 2GERPTB	S,NEANDC-259,121	8909 W.MANNHART,	13176004
1.5+07 1.5+07	1	2GERJUL	J,NP/A,283,269	7706 S.M.QAIM,	20721004
5.8+06 9.8+06	3	2UK HAR	P,AERE-PR/NP-26,39	7903 M.T.SWINHOE,	20986004
1.4+07 1.4+07	1	2UK HAR	P,AERE-PR/NP-26,39	7903 M.T.SWINHOE,	20986007
4.8+06 4.9+06	1	2JPNJAE	P,JAERI-6320,165	7511 H.GOTOH,	20990002
2.3+06 4.4+06	15	2UK BIA	J,ARI,34,(4),731	83 H.A.HUSAIN,	21879003
5.5+06 1.2+07	4	2UK HAR	R,AERE-M-3350	8309 S.FIRKIN	21941002
1.3+07 1.5+07	6	2JPNJAE	R,JAERI-1312	88 Y.IKEDA,	22089027
1.4+07 1.4+07	1	2JPNKTO	C,88MITO,261	88 K.KOBAYASHI,	22093006
2.1+06 3.0+06	8	2JPNJAE	P,NEANDC(J)-155,11	9008 Y.IKEDA,	22191002
1.1+07 1.2+07	2	2JPNJAE	S,JAERI-M-91-032,281	9103 Y.IKEDA,	22209003

1.5+07 1.5+07	1	3INDSAH	C,72CHANDG,2,115	7212 V.K.TIKKU,	30394002
1.5+07 1.5+07	1	3CSRSLO	J,JP/G,9,1537	8312 I.RIBANSKY,	30660004
8.5+06 8.5+06	1	3CPRAEP	R,INDC(CPR)-16	8909 LU HANLIN,	30733005
1.5+07 1.5+07	1	3VN IPH	P,INDC(VN)-5	8609 HOANG DAC LUC,	30810009
1.5+07 1.5+07	1	3BANSAV	R,INDC(BAN)-003	8609 N.I.MOLLA,	30825004
1.5+07 1.5+07	2	3MORRAB	J,NSE,108,289	9107 M.VIENNOT,	30979003
2.0+06 3.6+06	12	3CHLCHL	J,PR,126,271	62 L.GONZALEZ,	31165002
1.5+07 1.5+07	1	3SUDKHA	R,INDC(SUD)-001	9610 K.T.OSMAN,	31464007
1.5+07 1.5+07	1	4CCPKAZ	J,YF,10,(1),44	6907 V.N.LEVKOVSKIJ,	40226003

$^{47}\text{Ti}(n,p)^{47}\text{Sc}$ 

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