

22-Ti-48 (n, p) 21-Sc-48

Abundance (%) = 73.72 ± 0.03

Q = -3.21186 MeV E_{thr} = 3.27943 MeV

T_{1/2} = 43.67 h 9

E_γ = 983.526 ± 0.012 keV I_γ = 100.1 ± 0.6 β⁻

E_γ = 1037.522 ± 0.012 keV I_γ = 97.6 ± 0.7 β⁻

E_γ = 1312.120 ± 0.012 keV I_γ = 100.1 ± 0.7 β⁻

IRDF-90 - eval. - Jan 1977 C. Philis, O. Bersillon, D. Smith et al.
 D-99 (JENDL/D-99) - eval. - Jan 1996 N. Odano.
 RRDF-98 - eval. - Dec 1993 K. Zolotarev, A. Pashchenko.
 ENDF/B-VI - eval. - Jan 1977 C. Philis, O. Bersillon, D. Smith et al.
 JENDL-3.2 - eval. - Sep 1988 K. Kobayashi, H. Nashikura.

Tabl. 1

U-235					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	6.20	6.10	6.20	6.20	5.80
50%	8.00	7.90	8.00	8.00	7.60
90%	11.10	11.00	11.00	11.10	10.90
ACS	2.64E-04	2.71E-04	2.72E-04	2.73E-04	2.44E-04

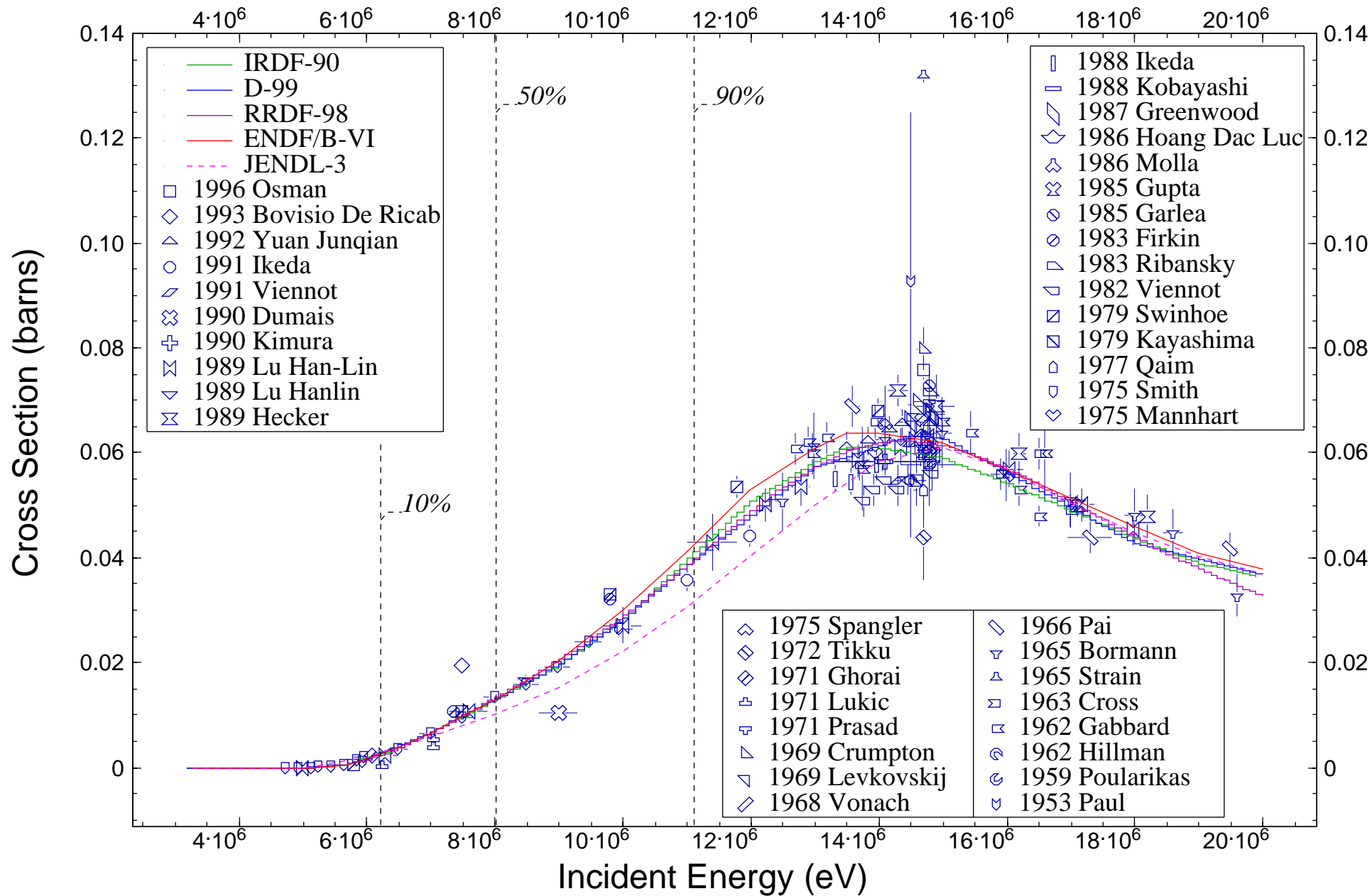
Tabl. 2

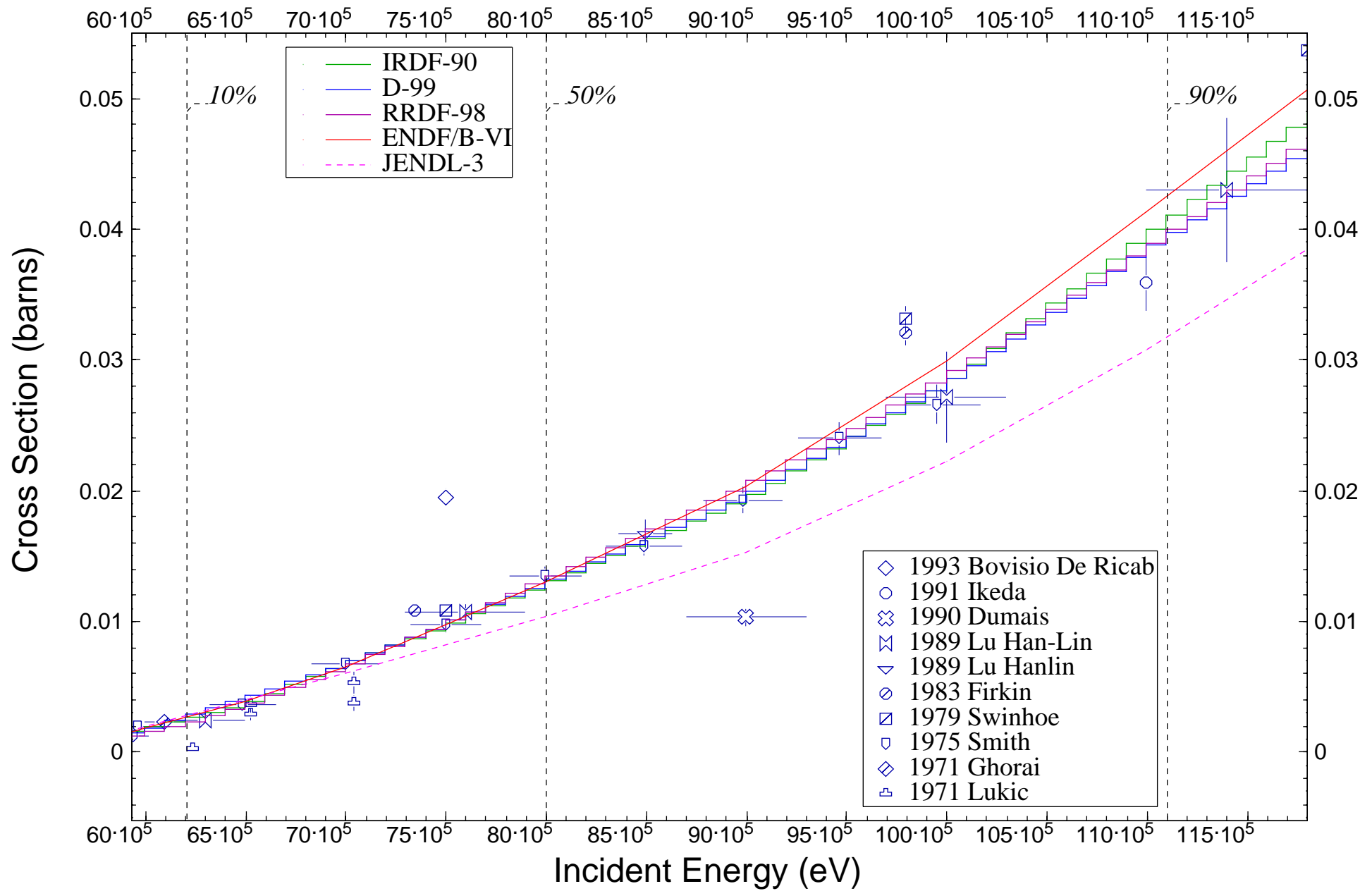
Cf-252					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	6.30	6.30	6.40	6.30	6.00
50%	8.30	8.20	8.30	8.40	8.00
90%	11.70	11.60	11.60	11.70	11.60
ACS	3.95E-04	4.04E-04	4.07E-04	4.09E-04	3.58E-04

Tabl. 3

1.5+07	1.5+07	1	1USARED	J,JNE,18,81	6402 D.R.KOEHLER,	11633002
6.1+06	6.1+06	1	1USAAUB	J,JNE,25,319	7108 S.K.GHORAI,	10180004
6.5+06	6.5+06	1	1USAFLA 3VENIVI	J,NSE,43,233	71 Y.LUKIC,	10205005
6.5+06	7.0+06	2	1USAFLA 3VENIVI	J,NSE,43,233	71 Y.LUKIC,	10205006
6.2+06	7.0+06	2	1USAFLA 3VENIVI	J,NSE,43,233	71 Y.LUKIC,	10205007
4.7+06	5.9+06	10	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238029
6.0+06	1.0+07	9	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238030
1.5+07	1.5+07	1	1USAORL	R,ORNL-3672	6501 J.E.STRAIN,	11263035
1.4+07	1.5+07	1	1CANCRC	J,CJP,31,267	53 E.B.PAUL,	11274026
1.5+07	1.5+07	1	1USAARK	J,PR,115,989	59 A.POULARIKAS,	11484007
1.3+07	1.7+07	14	1USAКТY	J,PR,128,1276	62 F.GABBARD,	11494006
1.3+07	1.7+07	3	1USAКТY	J,PR,128,1276	62 F.GABBARD,	11494007
1.4+07	1.5+07	1	1USABNL	J,NP,37,78	62 M.HILLMAN	11610004
1.4+07	2.0+07	5	1CANTOR	J,CJP,44,2337	66 H.L.PAI	11630006
1.4+07	1.5+07	1	1CANCRC	P,EANDC(CAN)-16,1	6301 W.G.CROSS,	11631006
1.4+07	1.4+07	1	1USATEX	J,ANS,22,818	7511 R.SPANGLER,	12956008
1.4+07	1.5+07	5	1USAANL	S,ASTM-STP-956,743	87 L.R.GREENWOOD	12977007
1.4+07	1.8+07	5	1USAAUB 1USAALS	J,NIM/B,40/41,478	8904 W.V.HECKER,	13133003
1.4+07	1.4+07	1	2GERMUN	J,ZP/A,272,279	7503 W.MANNHART,	20611004

1.5+07	1.5+07	1	2GERJUL	J,NP/A,283,269	7706 S.M.QAIM,	20721006
1.5+07	1.5+07	1	2GERMUN	C,68WASH,2,885	6803 H.K.VONACH,	20815008
1.2+07	2.0+07	9	2GERHAM	J,NP,63,438	6503 M.BORMANN,	20887011
1.5+07	1.5+07	1	2UK BIA	J,JIN,31,3727	6912 D.CRUMPTON	20931005
5.8+06	1.2+07	4	2UK HAR	P,AERE-PR/NP-26,39	7903 M.T.SWINHOE,	20986005
1.4+07	1.4+07	1	2UK HAR	P,AERE-PR/NP-26,39	7903 M.T.SWINHOE,	20986008
1.4+07	1.4+07	1	2UK HAR	P,AERE-PR/NP-26,39	7903 M.T.SWINHOE,	20986011
1.5+07	1.5+07	1	2JPNKYU	P,NEANDC(J)-61U,94	7909 K.KAYASHIMA,	21300003
5.5+06	1.4+07	6	2UK HAR	R,AERE-M-3350	8309 S.FIRKIN	21941005
1.3+07	1.5+07	5	2JPNJAE	R,JAERI-1312	88 Y.IKEDA,	22089029
1.4+07	1.4+07	1	2JPNKTO	C,88MITO,261	88 K.KOBAYASHI,	22093007
1.1+07	1.2+07	2	2JPNJAE	S,JAERI-M-91-032,281	9103 Y.IKEDA,	22209004
1.4+07	1.4+07	1	2JPNKTO	J,NSE,106,332	90 I.KIMURA,	22214012
3.0+03	1.8+07	1	2JPNTOH	S,JAERI-M-90-025,277	9002 J.R.DUMAIS,	22238003
1.5+07	1.5+07	1	3INDMUA	J,NC/A,3,(3),467	7106 R.PRASAD,	30336011
1.5+07	1.5+07	1	3INDSAH	C,72CHANDG,2,115	7212 V.K.TIKKU,	30394003
5.0+06	1.8+07	14	3CPRAEP	R,INDC(CPR)-16	8908 LU HAN-LIN,	30523005
1.4+07	1.5+07	7	3MORMOH	C,82ANTWER,.,406	8209 M.VIENNOT,	30644003
1.5+07	1.5+07	1	3CSRSLO	J,JP/G,9,1537	8312 I.RIBANSKY,	30660006
1.5+07	1.5+07	1	3INDMUA	J,PRM,24,637	85 J.P.GUPTA,	30707008
8.5+06	8.5+06	1	3CPRAEP	R,INDC(CPR)-16	8909 LU HANLIN,	30733016
1.5+07	1.5+07	1	3RUMCIP	J,RRP,30,(8),673	85 I.GARLEA,	30804008
1.5+07	1.5+07	1	3VN IPH	P,INDC(VN)-5	8609 HOANG DAC LUC,	30810010
1.5+07	1.5+07	1	3BANSAV	R,INDC(BAN)-003	8609 N.I.MOLLA,	30825006
1.4+07	1.5+07	7	3MORRAB	J,NSE,108,289	9107 M.VIENNOT,	30979005
7.5+06	7.5+06	1	3ARGCNE	R,INDC(ARG)-012	9305 M.BOVISIO DE RICAB	31419004
1.5+07	1.5+07	1	3SUDKHA	R,INDC(SUD)-001	9610 K.T.OSMAN,	31464008
1.3+07	1.5+07	6	3CPRLNZ	J,PHE,16,(1),57	9201 YUAN JUNQIAN,	32592004
1.5+07	1.5+07	1	4CCPKAZ	J,YF,10,(1),44	6907 V.N.LEVKOVSKIJ,	40226004

$^{48}\text{Ti}(n,p)^{48}\text{Sc}$ 

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