

22-Ti-46 (n, p) 21-Sc-46

Abundance (%)	=	8.25 ± 0.03		
Q	=	-1.58436 MeV	E _{thr}	= 1.61914 MeV
T _{1/2}	=	83.79 d		
E _γ	=	889.277 ± 0.003 keV	I _γ	= 99.984 ± 0.001 β ⁻
E _γ	=	1120.545 ± 0.004 keV	I _γ	= 99.987 ± 0.001 β ⁻

IRDF-90	- eval. - 1989 D. Hetrick, C. Fu.
D-99 (JENDL/D-99)	- eval. - Jan 1996 N. Odano.
RRDF-98	- eval. - Jan 1994 K. Zolotarev et al.
ENDF/B-VI	- eval. - Jan 1977 C. Philis, O. Bersillon, D. Smith et al..
JENDL-3.2	- eval. - Sep 1988 K. Kobayashi, H. Hashikura.

Tabl. 1

U-235					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	4.10	4.10	4.10	4.00	4.00
50%	5.70	5.80	5.80	5.70	5.60
90%	8.30	8.20	8.40	8.30	8.00
ACS	1.01E-02	1.11E-02	1.09E-02	1.08E-02	1.12E-02

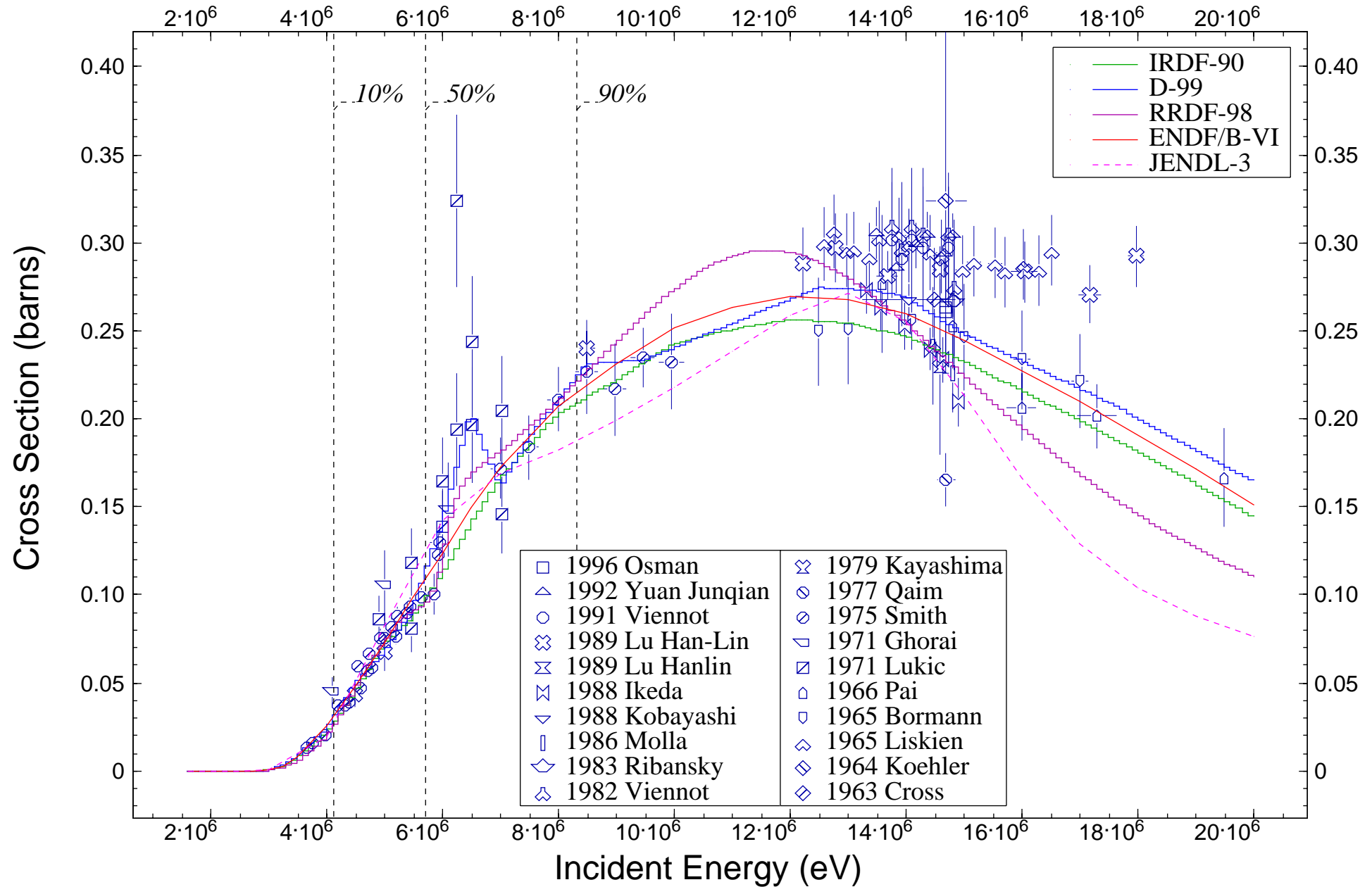
Tabl. 2

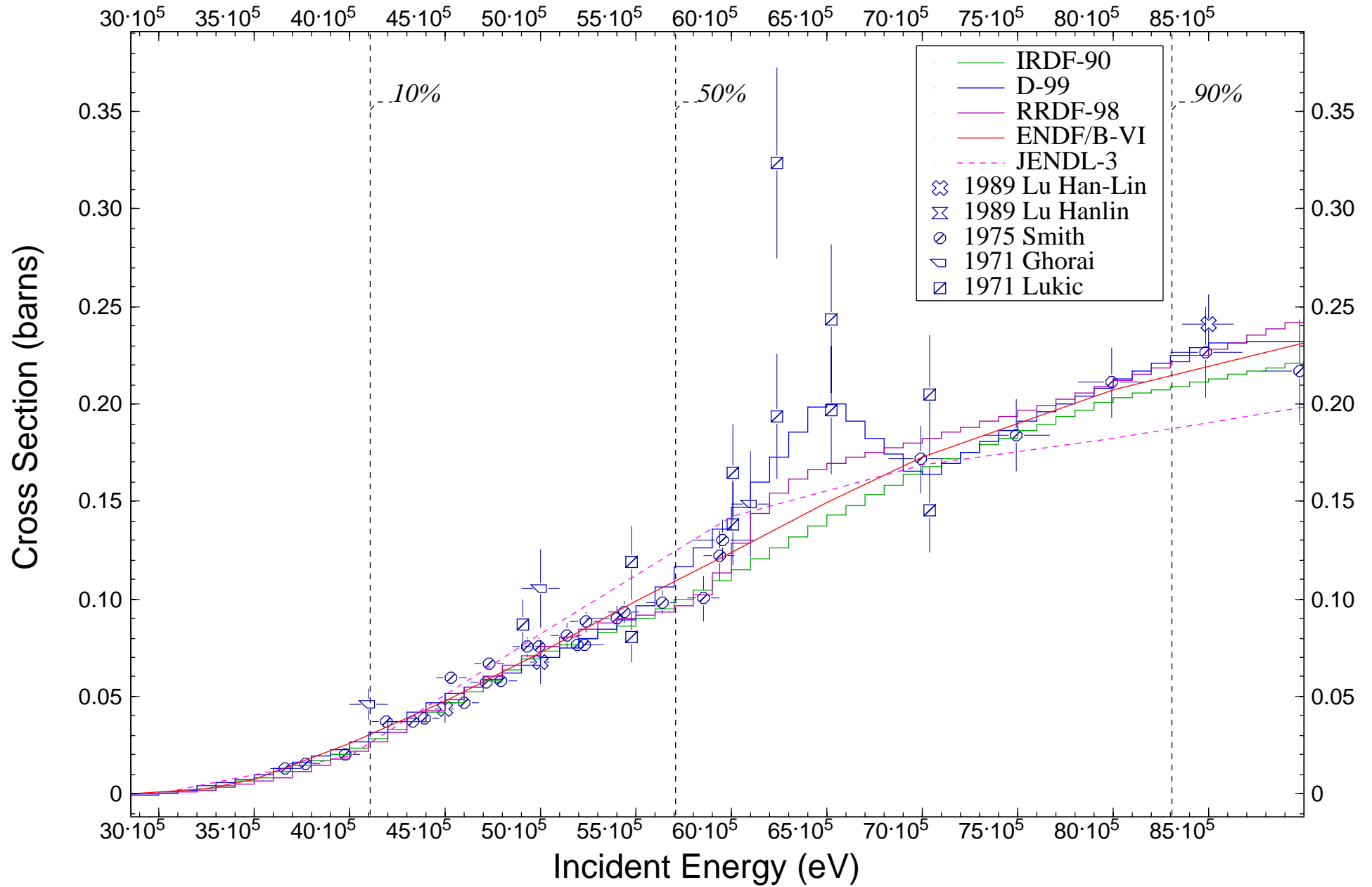
Cf-252					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	4.10	4.10	4.20	4.10	4.10
50%	5.90	6.00	6.00	5.90	5.80
90%	8.80	8.70	8.80	8.70	8.50
ACS	1.26E-02	1.39E-02	1.37E-02	1.35E-02	1.38E-02

Tabl. 3

4.1+06	6.1+06	3	1USAAUB	J,JNE,25,319	7108 S.K.GHORAI,	10180002
5.5+06	6.5+06	3	1USAFLA 3VENIVI	J,NSE,43,233	71 Y.LUKIC,	10205002
6.0+06	7.0+06	3	1USAFLA 3VENIVI	J,NSE,43,233	71 Y.LUKIC,	10205003
4.9+06	7.0+06	5	1USAFLA 3VENIVI	J,NSE,43,233	71 Y.LUKIC,	10205004
3.7+06	4.0+06	3	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238023
4.2+06	5.9+06	18	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238024
5.4+06	1.0+07	9	1USAANL	J,NSE,58,314	7511 D.L.SMITH,	10238025
1.5+07	1.5+07	1	1USAARK	J,PR,115,989	59 A.POULARIKAS,	11484004
1.4+07	2.0+07	5	1CANTOR	J,CJP,44,2337	66 H.L.PAI	11630002
1.4+07	1.5+07	1	1CANCRC	P,EANDC(CAN)-16,1	6301 W.G.CROSS,	11631002
1.5+07	1.5+07	1	1USARED	J,JNE,18,81	6402 D.R.KOEHLER,	11633002
1.5+07	1.5+07	1	2GERJUL	J,NP/A,283,269	7706 S.M.QAIM,	20721003
1.2+07	1.7+07	6	2GERHAM	J,NP,63,438	6503 M.BORMANN,	20887010
1.3+07	1.7+07	17	2ZZZGEL	J,NP,63,393	6503 H.LISKIEN,	20926002
1.5+07	1.5+07	1	2JPNKYU	P,NEANDC(J)-61U,94	7909 K.KAYASHIMA,	21300002
1.3+07	1.5+07	6	2JPNJAE	R,JAERI-1312	88 Y.IKEDA,	22089026
1.4+07	1.4+07	1	2JPNKTO	C,88MITO,261	88 K.KOBAYASHI,	22093005
4.5+06	1.8+07	10	3CPRAEP	R,INDC(CPR)-16	8908 LU HAN-LIN,	30523004
1.4+07	1.5+07	7	3MORMOH	C,82ANTWER,,406	8209 M.VIENNOT,	30644002
1.5+07	1.5+07	1	3CSRSLO	J,JP/G,9,1537	8312 I.RIBANSKY,	30660002
8.5+06	8.5+06	1	3CPRAEP	R,INDC(CPR)-16	8909 LU HANLIN,	30733004
1.5+07	1.5+07	1	3BANSVA	R,INDC(BAN)-003	8609 N.I.MOLLA,	30825003

1.4+07 1.5+07	6	3MORRAB	J,NSE,108,289	9107 M.VIENNOT,	30979002
1.5+07 1.5+07	1	3SUDKHA	R,INDC(SUD)-001	9610 K.T.OSMAN,	31464005
1.5+07 1.5+07	1	3SUDKHA	R,INDC(SUD)-001	9610 K.T.OSMAN,	31464006
1.3+07 1.5+07	6	3CPRLNZ	J,PHE,16,(1),57	9201 YUAN JUNQIAN,	32592003

$^{46}\text{Ti}(n,p)^{46}\text{Sc}$ 

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