

22-Ti-47 (n, np) 21-Sc-46

Abundance (%) = 7.44 ± 0.02

Q = -10.46215 MeV E_{thr} = 10.68691 MeV

$T_{1/2}$ = 83.79 d 4

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. - Jan 1977 C. Philis, O. Bersillon, D Smith et al.

D-99 (JENDL/D-99) - eval. - Jan 1996 K. Kobayashi, N. Odano.

RRDF-98 - eval. - Oct 1995 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. Hashikura.

Tabl. 1

U-235					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	11.90	13.20	12.30	11.90	13.00
50%	14.20	14.70	14.50	14.10	14.80
90%	16.40	16.80	16.70	16.40	16.80
ACS	8.47E-06	5.53E-06	6.56E-06	8.67E-06	6.43E-06

Tabl. 2

Cf-252					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	12.10	13.30	12.60	12.10	13.10
50%	14.40	14.90	14.70	14.40	15.00
90%	16.60	16.90	16.90	16.60	17.00
ACS	2.06E-05	1.42E-05	1.64E-05	2.11E-05	1.66E-05

Tabl. 3

1.4+07	1.5+07	1	1CANCRC	P,EANDC(CAN)-16,1	6301 W.G.CROSS,	11631004
1.3+07	1.5+07	6	2JPNJAE	R,JAERI-1312	88 Y.IKEDA,	22089028
1.5+07	1.5+07	1	3CSRSLO	J,JP/G,9,1537	8312 I.RIBANSKY,	30660003

$^{47}\text{Ti}(n,np)^{46}\text{Sc}$ 