

22-Ti-48 (n, np) 21-Sc-47

Abundance (%) = 73.72 ± 0.03
 $Q = -11.44443 \text{ MeV}$ $E_{\text{th}} = 11.68518 \text{ MeV}$
 $T_{1/2} = 3.345 \text{ d}$
 $E_{\gamma} = 159.381 \pm 0.015 \text{ keV}$ $I_{\gamma} = 67.90 \pm 0.15$ β

IRDF-90 - eval. - Jan 1977 C. 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. Hashikura.

Tabl. 1

U-235					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	12.50	12.90	10.40	12.50	14.30
50%	14.50	15.00	14.60	14.50	15.90
90%	16.80	17.10	16.80	16.80	17.40
ACS	1.36E-06	1.25E-06	2.08E-06	1.38E-06	1.48E-06

Tabl. 2

Cf-252					
	IRDF-90	D-99	RRDF-98	ENDF/B-VI	JENDL-3
10%	12.60	13.10	10.70	12.60	14.40
50%	14.80	15.30	14.50	14.80	16.00
90%	17.00	17.20	17.10	17.00	17.50
ACS	3.44E-06	3.27E-06	4.93E-06	3.47E-06	4.13E-06

Tabl. 3

1.4+07	1.5+07	1	1CANCRC	P,EANDC(CAN)-16,1	6301 W.G.CROSS,	11631007
1.4+07	1.4+07	1	2UK HAR	R,AERE-M-3350	8309 S.FIRKIN	21941004
1.3+07	1.5+07	6	2JPNJAE	R,JAERI-1312	88 Y.IKEDA,	22089030
1.4+07	1.5+07	7	3MORMOH	P,MOH-5,10	82 M.VIENNOT,	30644015
1.5+07	1.5+07	1	3CSRSLO	J,JP/G,9,1537	8312 I.RIBANSKY,	30660005
1.4+07	1.5+07	7	3MORRAB	J,NSE,108,289	9107 M.VIENNOT,	30979004

$^{48}\text{Ti}(n,np)^{47}\text{Sc}$ 