

69-Tm-169 (n, 2n) 69-Tm-168

Abundance (%)	=	100			
Q	=	-8.03344 MeV	E _{thr}	=	8.08140 MeV
T _{1/2}	=	93.1d			
E _γ	=	198.251 ± 0.002 keV	I _γ	=	52.4 ± 1.6
E _γ	=	447.515 ± 0.003 keV	I _γ	=	23.1 ± 0.7
E _γ	=	815.989 ± 0.005 keV	I _γ	=	49.0 ± 1.5
					EC + β ⁺
					EC + β ⁺
					EC + β ⁺

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

Tabl. 1

U-235	
	D-99
10%	8.90
50%	10.10
90%	12.40
ACS	3.52E-03

Tabl. 2

Cf-252	
	D-99
10%	8.90
50%	10.30
90%	12.80
ACS	6.24E-03

Tabl. 3

8.6+06	2.4+07	11	1USALAS	J,PR/C,12,451	1975 B.P.BAYHURST,	10536029
1.6+07	2.8+07	3	1USALAS	J,PR/C,12,451	1975 B.P.BAYHURST,	10536030
2.6+07	2.6+07	1	1USALAS	J,PR/C,12,451	1975 B.P.BAYHURST,	10536031
1.2+07	1.8+07	16	3CPRAEP	R,INDC(CPR)-16	1989 LU HANLIN,	30724002
1.4+07	1.5+07	7	3CPRSIU	W,WANG	1989 WANG XIUYUAN,	30935004
1.5+07	1.5+07	1	1USAARK	T,BARI	1971 A.BARI	10431059
1.2+07	1.4+07	2	2UK ALD	R,AWRE-O-72/72	1972 D.S.MATHER,	20795007
8.4+06	1.5+07	14	2FR BRC	W,FREHAUT	1980 J.FREHAUT,	20416014
1.4+07	1.5+07	9	1USALRL	J,NP/A,190,635	1972 D.R.NETHAWAY	10312007
1.4+07	1.5+07	2	2FR BRC	R,CEA-R-5109	1981 J.LAUREC,	21709007
1.3+07	1.5+07	3	1USAAUB 1USAALS	J,BAP,18,775(EB6)	1973 R.VOS,	13037002
1.5+07	1.5+07	1	2GERMUN	J,NP/A,118,9	1968 W.DILG,	20802010
1.5+07	1.5+07	1	2GERJUL	J,NP/A,224,319	1974 S.M.QAIM	20541050
9.8+06	1.5+07	7	1USALRL	R,UCRL-6028-T	1960 H.A.TEWES,	11504014
1.4+07	1.5+07	2	1USAANL	S,ASTM-STP-956,743	1987 L.R.GREENWOOD	12977022
1.5+07	1.5+07	1	2UK ALD	R,AWRE-O-76/66	1966 D.G.VALLIS	20347007
1.5+07	1.5+07	1	4CCPCCP	J,YF,14,(4),682	1971 A.A.DRUZHININ,	40171002
1.5+07	2.4+07	10	1USALAS	J,PR/C,16,1792	1977 L.R.VEESER,	10445007

$^{169}\text{Tm}(n,2n)^{168}\text{Tm}$ 