
 $^{144}\text{Sm}(\text{p,t})$ [1981St08](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson, D. Symochko(a), M. Fadil(b), and J. K. Tuli		NDS 112, 1949 (2011)	1-Jun-2010

E=42 MeV FWHM=35 keV ([1981St08](#)), 34.5 MeV ([1983DeZB](#)), 25.5 MeV ([1982Pa13](#),[1974Oe03](#),[1973Oe02](#)).

Measured: $\sigma(E,\theta)$; deduced L, DWBA analysis.

 ^{142}Sm Levels

E(level)	L	σ In μb	E(level)	L	σ In μb	E(level)	L	σ In μb
0.0	0	105 5	2280 3	0	8.1 12	2867 1	4	32 3
769 1	2	137 6	2351 1	5	172 7	2955 2	4	20 2
1453 4	(0)	5.2 6	2372	7		3007 5		13 2
1572 6			2418 2	(4)	39 3	3052 3		15 2
1659 3	(2)	3.5 7	2497 2		18 2	3118 4		6.7 10
1790 1	4	69 3	2582 2	4	17 2	3182 1		40 3
2052 1	2	20 2	2656 2		20 2	3245 4		8.2 14
2168 1	0	5.9 7	2747 6	(2)	5.0 12			