

$^{149}\text{Sm}(d,t)$  **1975Oe01**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 117, 1 (2014)	1-Oct-2013

**1975Oe01**: E=17 MeV, FWHM=9-11 keV; measured  $\sigma(E,\theta)$ , DWBA analysis.

**1992Da01,1994Ko29**: E=6, 8 MeV polarized deuterons; measured angular distribution and tensor-analyzing powers for a determination of triton properties. No data on  $^{148}\text{Sm}$ .

$J^\pi(\text{target})=7/2^-$ .

 $^{148}\text{Sm}$  Levels

E(level)	L	C <sup>2</sup> S	E(level)	L	C <sup>2</sup> S	E(level)	L	C <sup>2</sup> S
0.0	3	0.61	2731 3			3428 3		
550 3	3	0.33	2759 3			3449 3		
1162 3	0	0.01	2821 <sup>†</sup> 3	1	0.04	3463 4		
1181 3	3	0.41	2843 3	(0)	0.01	3488 4	(0)	0.07
1456 3	1	0.07	2866 3			3504 4		
1666 3	3	0.19	2906 3	0	0.04	3530 4	(0)	0.11
1736 3	3	0.60	2927 3			3546 4	(0)	0.17
1898 3	3	0.30	2936 3			3572 4		
1910 3	3	0.74	2952 <sup>‡</sup> 3			3600 4	(0)	0.07
1976 3	1	0.06	2989 <sup>†</sup> 3			3628 4	(0)	0.14
2035 3	0	0.01	2993 <sup>†</sup> 3			3652 4	(0)	0.09
2099 3	3	0.43	3006 <sup>†</sup> 3			3674 4		
2117 3	(0)	0.03	3017 3	0	0.08	3696 4	(0)	0.10
2151 3	1+3	0.05+0.18	3044 3			3714 4		
2198 3	3	0.28	3055 <sup>†</sup> 3			3734 4	(0)	0.05
2218 3	1	0.06	3073 <sup>†</sup> 3			3752 4		
2232 3			3098 3	(0)	0.04	3774 4	(0)	0.11
2277 3	3	0.03	3113 3			3797 4		
2318 3	1	0.01	3138 <sup>‡</sup> 3			3817 4	0	0.09
2331 3	1+3	0.01+0.03	3153 3			3843 4	0	0.09
2344 3	0	0.05	3175 3			3862 4	0	0.13
2380 3	3	0.21	3198 3	0	0.03	3888 4		
2396 3	1	0.06	3226 3			3902 4	0	0.05
2473 3			3247 3			3924 4	0	0.17
2496 3	1	0.06	3274 3			3951 <sup>†</sup> 4		
2531 <sup>†</sup> 3	1	0.14	3313 <sup>‡</sup> 3			3975 4	(0)	0.08
2574 3			3344 3			3990 4	(0)	0.04
2646 3	1	0.04	3385 3	0	0.09	4005 4		
2683 3			3397 3			4011 <sup>‡</sup> 4		
2705 3	1+3	0.02+0.04	3405 <sup>‡</sup> 3			4026 4	0	0.07
2720 3	(0)	0.05	3417 3			4041 4		

<sup>†</sup> Possible unresolved doublet; less than 10 keV apart.

<sup>‡</sup> Weakly excited level.