
 $^{151}\text{Sm}(\text{d,p})$ **1973Ne16**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin	NDS 114, 1497 (2013)	31-Aug-2013

E=12MeV; measured: $\sigma(E)$, FWHM $\approx$ 7 keV.

$J^\pi(^{151}\text{Sm})=5/2^-$.

 ^{152}Sm Levels

<u>E(level)‡</u>	<u>S†</u>	<u>E(level)‡</u>	<u>S†</u>	<u>E(level)‡</u>	<u>S†</u>	<u>E(level)‡</u>	<u>S†</u>
0.0	1.3	711	1.1	1087	4.9	1616	1.3
122	8.4	812	6.0	1223	1.9	1773	8.9
366	4.5	1025	1.5	1236	3.6		
679	0.9	1042	1.3	1295	16.9		

† Label= σ at 87.5°.

‡ For the 711 level and above, the energies are 2-3 keV higher than the adopted values where the association is clear. for the other levels, this shift is taken into account when associating the (d,p) levels with the appropriate adopted level.