^{152}**Gd(^{3}He,α)**   **1975Lo04**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 110, 1 (2009)	20-Nov-2008

E=24 MeV.

Angular distribution data at two angles. Relative σ's accurate to 15% and absolute σ's to 25%. DWBA calculations.

^{151}Gd Levels

E(level)	L[†]	S[‡]	Comments
0		1.89	L: 3 (from $\sigma(\theta)$ in (d,t)).
111 5	≤4	0.05	
375 5	5	1.29	
429 5	≤3	0.17	
667 5	3,2	0.42	
850 5	6	1.92	
914 5	5,6	0.23	
981 5		1.51	L: 2 (from $\sigma(\theta)$ in (d,t)).
1049 5		1.57	L: 0 (from $\sigma(\theta)$ in (d,t)).
1161 5	3,4	0.83	
1209 5	5	2.24	
1261 5			
1351 5			
1488 5			
1937 5			

[†] From comparison of ratio of cross sections in ^{152}Gd(^{3}He,α) and ^{152}Gd(d,t) with that for known states. See also ^{152}Gd(d,t).

[‡] Normalization factor N=22.6.

^{152}Gd(^{3}He,α)   1975Lo04