

$^{152}\text{Gd}(\text{d},\text{d}')$ **1967BI05**

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

E=12 MeV; measured: $\sigma(\text{E},\theta)$.

^{152}Gd Levels

E(level)	$\text{J}^{\pi\dagger}$	$\text{S}^{\dagger}$	E(level)	$\text{J}^{\pi\dagger}$	$\text{S}^{\dagger}$	E(level)	$\text{J}^{\pi\dagger}$	$\text{S}^{\dagger}$	E(level)	$\text{S}^{\dagger}$
0.0		48800	1106	2^+	36	1913	$(3^-,4^+)$	93	2300	≈ 2
343		2170	1121	3^-	494	1942		2	2330	6
614	0^+	9	1280	(4^+)	4	1962		19	2395	
754		58	1314	(1^-)	17	2117		11	2414	
930	2^+	38	1467	(5^-)	8	2190	(2^+)	6		
1040		4	1547		11	2234		16		

† Label= $\text{d}\sigma/\text{d}\Omega(90^\circ)$ $\mu\text{b}/\text{sr}$.

‡ From $\text{d}\sigma(90^\circ)/\text{d}\sigma(125^\circ)$ (systematics).