
 $^{155}\text{Gd}(\text{n},\alpha)$ **1969Be17**

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

E=thermal.
Measured $\sigma(E)$.

 ^{152}Sm Levels

$J^\pi(^{155}\text{Gd})=3/2^-$, $J^\pi(^{155}\text{Gd}+\text{n})=2^-$.

<u>E(level)[†]</u>	<u>J^π[‡]</u>	<u>Comments</u>
122	2 ⁺	E α =7998 6.
366	4 ⁺	E α =7759 9.
707?	6 ⁺	E(level): There is some evidence for population of this state, but the α groups below the 7759 α are weak.

[†] Rounded-off values from Adopted Levels.

[‡] From Adopted Levels.