

$^{151}\text{Eu}(\text{d,d}')$ 1970Be58

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

E=12 MeV.

$\sigma(\theta)$ data at 60°, 90°, 125°, and 155°. Magnetic spectrograph.

 ^{151}Eu Levels

<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>
0	602 [†] 2	806 [‡] 2	1036 [†] 2
196 [†] 2	701 [†] 2	887 [‡] 2	1092 [†] 2
307 [†] 2	720 [†] 2	908 [‡] 2	1114 [†] 2
503 [†] 2	758 [†] 2	947 [‡] 2	1144?
583 [†] 2	785 [‡] 2	965 [‡] 2	1163 [‡] 2

[†] $\sigma(\theta)$ data consistent with E2 excitation.

[‡] $\sigma(\theta)$ data consistent with E3 or E4 excitation but level energies and cross sections indicate E3. Moreover angular distribution data for this level agrees with a known E3 excitation at 1072 in ^{150}Sm .