

$^{151}\text{Eu}(\mu^-, 2n\gamma)$ **1971Pe14**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 185, 2 (2022)	23-Aug-2022

Also $^{153}\text{Eu}(\mu^-, 4n\gamma)$.

1971Pe14: measured E_γ , I_γ with a Ge(Li) detector at CERN.

 ^{149}Sm Levels

E(level)	$J^\pi^\dagger$
0.0	$7/2^-$
22.5	$5/2^-$
277.2 1	$5/2^-$
285.7 1	$9/2^-$
350.2 2	$3/2^-$

† From the Adopted Levels.

 $\gamma(^{149}\text{Sm})$

E_γ	$I_\gamma^\dagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
22.5		22.5	$5/2^-$	0.0	$7/2^-$	E $_\gamma$: rounded value from the Adopted Gammas.
254.27 25	0.60 15	277.2	$5/2^-$	22.5	$5/2^-$	
277.0 1	1.3 3	277.2	$5/2^-$	0.0	$7/2^-$	
285.99 5	1.8 3	285.7	$9/2^-$	0.0	$7/2^-$	
327.50 15	1.7 3	350.2	$3/2^-$	22.5	$5/2^-$	

† Yield per 100 μ^- captures.

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Level Scheme

 Intensities: Per 100 μ -captures

Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
- $I_\gamma < 10\% \times I_\gamma^{\max}$
- $I_\gamma > 10\% \times I_\gamma^{\max}$

