^{153}Eu(μ,2nγ) 1971Pe14

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

Measured γ's, absolute γ intensities. Neutron multiplicity deduced.

^{151}Sm Levels

E(level)	J$^{\pi}$[†]
0.0	5/2$^-$
4.8	3/2$^-$
167.9 *1*	5/2$^+$
168.1 *1*	(5/2)$^-$
209.0 *1*	
345.2 *1*	

[†] See 'Adopted Levels'.

γ(^{151}Sm)

E$_\gamma$	I$_\gamma$[†]	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$
163.53 *14*	0.63 *15*	168.1	(5/2)$^-$	4.8	3/2$^-$
167.93[‡] *5*	1.6[‡] *3*	167.9	5/2$^+$	0.0	5/2$^-$
167.93[‡] *5*	1.6[‡] *3*	168.1	(5/2)$^-$	0.0	5/2$^-$
209.00 *14*	0.50 *15*	209.0		0.0	5/2$^-$
340.38 *5*		345.2		4.8	3/2$^-$

[†] Percent photon yield per μ^- capture.
[‡] Multiply placed with undivided intensity.

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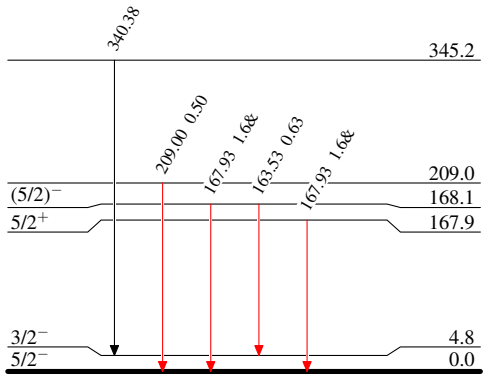
Level Scheme

Intensities: Per 100 muon captures
& Multiply placed: undivided intensity given

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



$^{151}_{62}Sm_{89}$