

$^{147}\text{Sm}(n,\gamma) E=24.5 \text{ keV}$ 1979MuZR

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	N. Nica	NDS 117, 1 (2014)	1-Oct-2013

Measured: G.

 ^{148}Sm Levels

<u>E(level)</u>	<u>J^π</u>
0.0	0^+
550.5	2^+
1162	3^-
1180	4^+
1448?	
1457	2^+
1664	2^+
1734	4^+
8166 [‡]	

† Adopted values.

‡ The energy of n-capture states for $E(n)\approx 24 \text{ keV}$ with $J=2-5$. $\gamma(^{148}\text{Sm})$

<u>E_γ</u>	<u>I_γ</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>	<u>J_f^π</u>
6431.2	54	8166	1734	4^+
6501.1	45	8166	1664	2^+
6708.8	48	8166	1457	2^+
6717.5	26	8166	1448?	
6984.3	100	8166	1180	4^+
7002.2	36	8166	1162	3^-
7615.2	67	8166	550.5	2^+

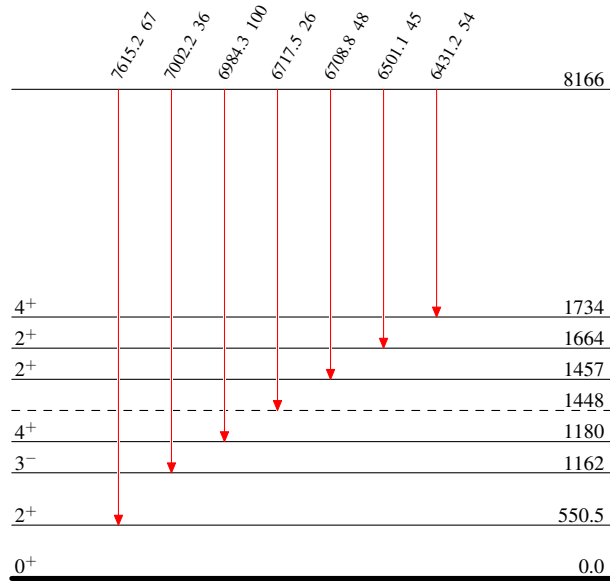
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Level Scheme

Intensities: Type not specified

Legend

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

 $^{148}_{62}\text{Sm}_{86}$