

$^{154}\text{Sm}(^{26}\text{Mg},4n\gamma)$ 1984Le03

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 107, 791 (2006)	15-Sep-2005

Target: 99% enriched ^{154}Sm . $E(^{26}\text{Mg})=120$ MeV. Measured E_γ (no numeric value reported), I_γ (not reported). Detectors: Compton-suppressed Ge(Li).

 ^{176}W Levels

<u>$E(\text{level})^\dagger$</u>	<u>J^π^\ddagger</u>	<u>$E(\text{level})^\dagger$</u>	<u>J^π^\ddagger</u>	<u>$E(\text{level})^\dagger$</u>	<u>J^π^\ddagger</u>	<u>$E(\text{level})^\dagger$</u>	<u>J^π^\ddagger</u>
0.0 [#]	0 ⁺	699.5 [#] 8	6 ⁺	2206.5 [#] 9	12 ⁺	4002.5 [#] 9	18 ⁺
108.5 [#] 7	2 ⁺	1140.0 [#] 8	8 ⁺	2802.4 [#] 9	14 ⁺	4613.5 [#] 9	20 ⁺
348.5 [#] 8	4 ⁺	1648.6 [#] 8	10 ⁺	3427.8 [#] 9	16 ⁺	5299.0 [#] 9	22 ⁺

[†] Deduced by evaluator from a least squares fit to the γ -ray energies.

[‡] From Adopted Levels.

[#] Band(A): g.s. rotational band.

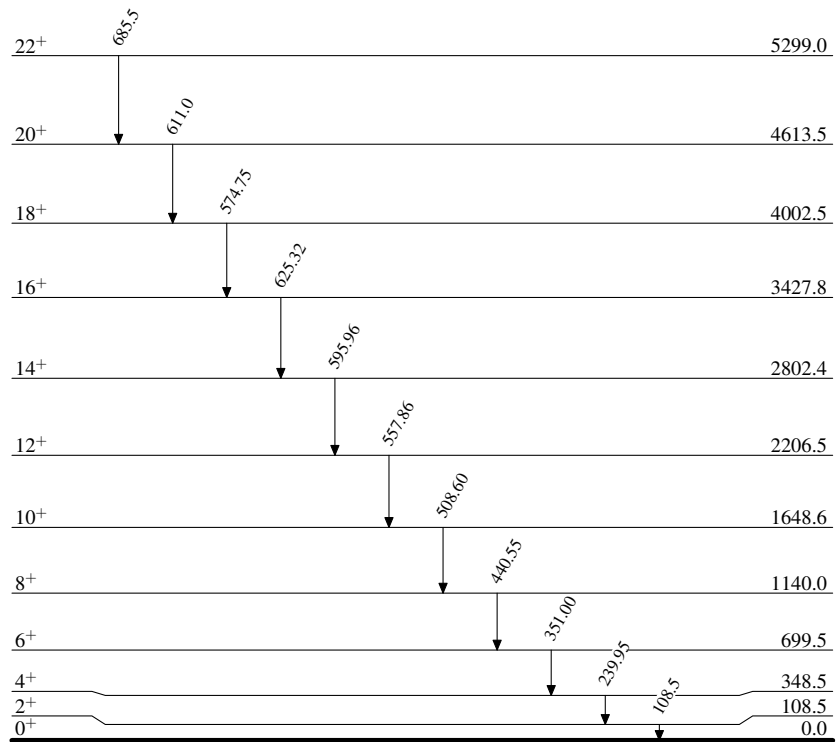
 $\gamma(^{176}\text{W})$

<u>E_γ^\dagger</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>	<u>E_γ^\dagger</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
108.5 7	108.5	2 ⁺	0.0	0 ⁺	574.75 12	4002.5	18 ⁺	3427.8	16 ⁺
239.95 25	348.5	4 ⁺	108.5	2 ⁺	595.96 12	2802.4	14 ⁺	2206.5	12 ⁺
351.00 20	699.5	6 ⁺	348.5	4 ⁺	611.0 1	4613.5	20 ⁺	4002.5	18 ⁺
440.55 15	1140.0	8 ⁺	699.5	6 ⁺	625.32 9	3427.8	16 ⁺	2802.4	14 ⁺
508.60 20	1648.6	10 ⁺	1140.0	8 ⁺	685.5 2	5299.0	22 ⁺	4613.5	20 ⁺
557.86 12	2206.5	12 ⁺	1648.6	10 ⁺					

[†] From Adopted Levels since no numerical E_γ values were available in 1984Le03.

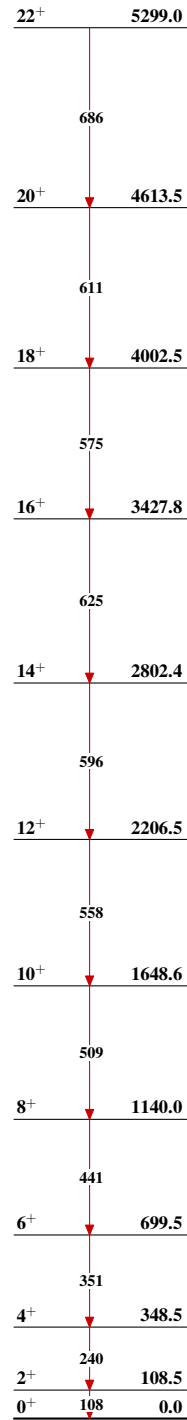
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Level Scheme

 $^{176}_{74}\text{W}_{102}$

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Band(A): g.s. rotational band

 ${}^{176}_{74}\text{W}_{102}$