

$^{152}\text{Sm}(^{28}\text{Si},4n\gamma)$ 1970LeZN

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

E=125-166 MeV. g.s. rotational band observed up to $J^\pi=12^+$ member.

 ^{176}Os Levels

E(level) [†]	J^π [‡]
0.0 [#]	0 ⁺
135.2 [#] 10	2 ⁺
395.4 [#] 15	4 ⁺
742.3 [#] 18	6 ⁺
1157.3 [#] 20	8 ⁺
1633.6 [#] 23	10 ⁺
2167.5 [#] 25	12 ⁺

[†] Deduced by evaluator from a least squares fit to the γ -ray energies assuming $\Delta E=1$ keV for all γ -ray energies.

[‡] Assignments are based on rotational band structure.

[#] $K^\pi=0^+$ g.s. rotational band.

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

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
135.2	135.2	2 ⁺	0.0	0 ⁺
260.2	395.4	4 ⁺	135.2	2 ⁺
346.9	742.3	6 ⁺	395.4	4 ⁺
415.0	1157.3	8 ⁺	742.3	6 ⁺
476.3	1633.6	10 ⁺	1157.3	8 ⁺
533.9	2167.5	12 ⁺	1633.6	10 ⁺

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Level Scheme

