^{248}Cm SF decay 1994Sm07

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin	NDS 114, 1497 (2013)	31-Aug-2013

Parent: ^{248}Cm: E=0; $J^\pi=0^+$; $T_{1/2}=3.48\times10^6$ y *6*; %SF decay=8.39 *16*

^{152}Nd Levels

E(level)	J^π †	$T_{1/2}$ ‡
0	0^+	
72.4	2^+	
236.4	4^+	
483.5	6^+	
805.4	8^+	
1195.3	10^+	
1647.6	12^+	2.1 ps
2157.9	14^+	1.2 ps
2722.4	16^+	0.7 ps

† Authors′ values based on the assumption that the deduced levels constitute a ground-state rotational band.
‡ From DSAM measurements.

$\gamma(^{152}Nd)$

E_γ †	E_i(level)	J_i^π	E_f	J_f^π
72.4	72.4	2^+	0	0^+
164.0	236.4	4^+	72.4	2^+
247.1	483.5	6^+	236.4	4^+
321.9	805.4	8^+	483.5	6^+
389.9	1195.3	10^+	805.4	8^+
452.3	1647.6	12^+	1195.3	10^+
510.3	2157.9	14^+	1647.6	12^+
564.5	2722.4	16^+	2157.9	14^+

† Deduced by the evaluator from the authors′ decay scheme. No γ data are given by the authors.

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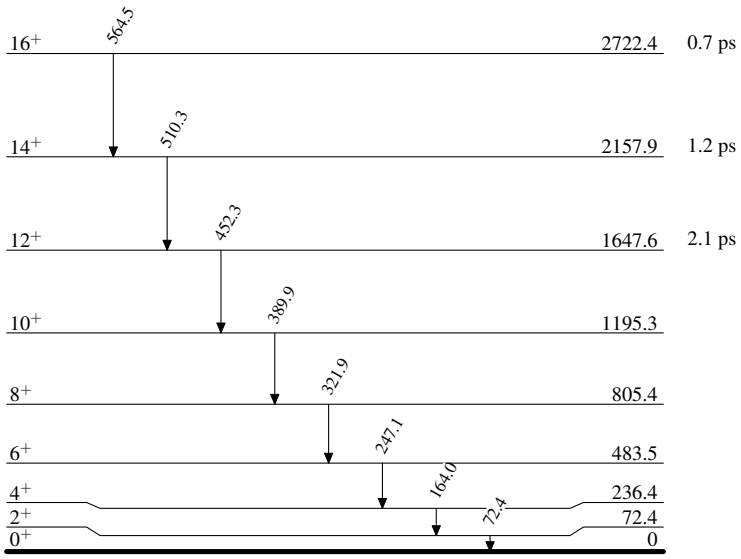
Level Scheme



$^{152}_{60}Nd_{92}$