^{248}Cm SF decay 2000Ko15

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 103, 1 (2004)	31-Jul-2004

Parent: ^{248}Cm: E=0.0; $J^\pi=0^+$; $T_{1/2}=3.48\times10^5$ y *6*; %SF decay=?

2000Ko15: Measured γ, $\gamma\gamma\gamma$, $T_{1/2}$ using EUROGAM2 array of Compton-suppressed Ge detectors.

1997Zh12: Earlier work on excited ^{134}Sn states, agrees well with 2000Ko15.

^{134}Sn Levels

E(level)†	J^π†	$T_{1/2}$	Comments
0.0	0^+	1.050 s *11*	$T_{1/2}$: from Adopted Levels.
725.6	2^+		Configuration=$(\nu\ f_{7/2})^2$.
1073.4	4^+		Configuration=$(\nu\ f_{7/2})^2$.
1247.4	6^+	80 ns *15*	Configuration=$(\nu\ f_{7/2})^2$.
2508.9	(8^+)		Configuration=$((\nu\ f_{7/2})(\nu\ h_{9/2}))$.

† From Adopted Levels, gammas.

$\gamma(^{134}Sn)$

E_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.	Comments
174.0	1247.4	6^+	1073.4	4^+	(E2)	Mult.: from angular distributions, RUL.
347.8	1073.4	4^+	725.6	2^+	Q	Mult.: from $\gamma\gamma$ correlation.
725.6	725.6	2^+	0.0	0^+	Q	Mult.: from $\gamma\gamma$ correlation.
1261.5	2508.9	(8^+)	1247.4	6^+		

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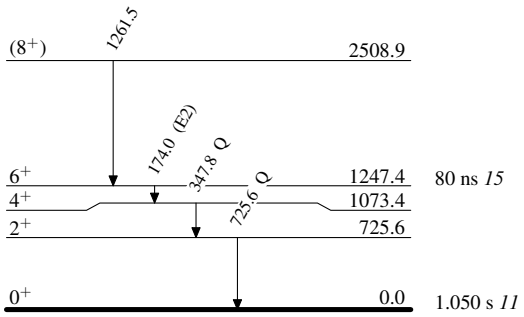
Level Scheme



$^{134}_{50}Sn_{84}$