

^{252}Cf SF decay 1993Bu12

Type	Author	History
Full Evaluation	E. A. Mccutchan	Citation
		Literature Cutoff Date
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Parent: ^{252}Cf : E=0.0; $J^\pi=0^+$; $T_{1/2}=2.645$ y 8; %SF decay=?1993Bu12: Measured $E\gamma$, $I\gamma$, $\gamma\gamma$ with an array of 20 Compton-suppressed Ge detectors. Identified transitions in ^{136}Te using coincidences with the complementary fragments of $^{112,114}\text{Pd}$.Other: 1999Hw04: Measured $E\gamma$, $I\gamma$, $\gamma\gamma$; deduced scission neutron yield. ^{136}Te Levels

$E(\text{level})^\dagger$	$J^\pi \ddagger$
0.0	0^+
606.0	2^+
1029.9	4^+
1382.3	6^+
2132.0	8^+
2792.3	10^+

[†] From $E\gamma$.[‡] From the Adopted Levels. $\gamma(^{136}\text{Te})$

E_γ	I_γ^\dagger	$E_i(\text{level})$	J_i^π	E_f	J_f^π
352.4	51	1382.3	6^+	1029.9	4^+
423.9	100	1029.9	4^+	606.0	2^+
606.0		606.0	2^+	0.0	0^+
660.3	14	2792.3	10^+	2132.0	8^+
749.7	27	2132.0	8^+	1382.3	6^+

[†] Obtained in a gate on the 606γ . General statement by the authors that $\Delta I\gamma$ ranges from 5% for low-spin states to 30% for high-spin states.

