

^{252}Cf SF decay [1972Ho08,1970Wi16](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, A. A. Rodionov and S. Sakharov, Balraj Singh		NDS 104, 497 (2005)	10-Feb-2005

Parent: ^{252}Cf : $E=0$; $J^\pi=0^+$; $T_{1/2}=2.645$ y 8; %SF decay=?

[1972Ho08](#): measured X γ coin. Three γ rays reported At 697.4, 974.4 and 989.6.

[1970Wi16](#): measured (fragment)(fragment)X γ coin, E γ , I γ . Two γ rays At 974 and 999 reported.

Other: [1973Kh05](#): $^{235}\text{U}(n,\text{F})$ E=th. Only the transition from first 2^+ state reported.

 ^{132}Te Levels

E(level)	J^π [†]	Comments
0	0^+	
974.4	2^+	
1671.8	4^+	
1775.2	6^+	E(level): from Adopted Levels.
2764.8		

[†] From Adopted Levels.

 $\gamma(^{132}\text{Te})$

E γ [†]	E _i (level)	J^π_i	E _f	J^π_f	Comments
103.5	1775.2	6^+	1671.8	4^+	E γ : from Adopted Gammas, not reported In SF decay.
697.4	1671.8	4^+	974.4	2^+	
974.4	974.4	2^+	0	0^+	yield/fission=0.2 (1970Wi16).
989.6	2764.8		1775.2	6^+	yield/fission=0.42 (1970Wi16).

[†] From [1972Ho08](#), unless stated otherwise.

^{252}Cf SF decay 1972Ho08,1970Wi16Level Scheme