
 ^{252}Cf SF decay [2004Sm04,2005Sm08](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne and A. Negret		NDS 109, 943 (2008)	1-May-2007

Parent: ^{252}Cf : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=2.645$ y 8; %SF decay=?

^{252}Cf -%SF decay=3.092 8.

Measured $E\gamma$, $\gamma\gamma$ using Gammasphere array of 102 Compton suppressed Ge detectors.

 ^{106}Ru Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	0^+	371.8 d 18	$T_{1/2}$: From Adopted Levels.
270.07 4	2^+	0.20 ns 3	$g=+0.3$ 1 (2004Sm04,2005Sm08) $E(\text{level})$: From Adopted Levels. $T_{1/2}$: From time-integral perturbed angular correlations with Gammasphere in connection with a ^{252}Cf SF source (2004Sm04,2005Sm08). $T_{1/2}$ calculated assuming the same transition quadrupole moment as ^{108}Ru . Other: 0.26 ns 7 (1995Sc24).