

^{249}Bk β^- decay (330 d) 1959Va02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Khalifeh Abusaleem	NDS 112, 2129 (2011)	31-Dec-2010

Parent: ^{249}Bk : $E=0$; $J^\pi=7/2^+$; $T_{1/2}=330$ d 4; $Q(\beta^-)=124.0$ 14; $\% \beta^-$ decay=100.0

^{249}Bk - $Q(\beta^-)$: from 2009AuZZ.

Others: 1956Ch77, 1957Ea01, 1974G110.

No internal conversion lines with $E_\gamma > 40$ keV observed (1959Va02).

 ^{249}Cf Levels

<u>E(level)</u>	<u>J^π</u>
0.0	$9/2^-$

 β^- radiations

From adopted J^π , the β transition to the 62.5 level would be first forbidden unique with $\log f^{1u}_t > 8.5$, which gives $I_\beta < 0.06\%$.

<u>E(decay)</u>	<u>E(level)</u>	<u>$I\beta^{-\dagger}$</u>	<u>Log ft</u>	<u>Comments</u>
(124.0 14)	0.0	100	7.03 2	av $E\beta=32.4$ 4 E(decay): 123 3 (1974G110), 125 2 (1959Va02), 114 15 (1957Ea01).

\dagger Absolute intensity per 100 decays.