

^{185}Bi α decay [2004An07](#)

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	J. K. Tuli	ENSDF	23-Dec-2009

Parent: ^{185}Bi : $E=0.0$; $J^\pi=1/2^+$; $T_{1/2}=58 \mu\text{s}$ 4; $Q(\alpha)=8160 \text{ SY}$; $\% \alpha$ decay=10 2

[2004An07](#): α activity produced by 380-480 MeV ^{95}Mo on ^{93}Nb target; velocity filter SHIP with position sensitive silicon detectors; measured $E\alpha$, $T_{1/2}$.

[2001Po05,1996Da06](#): α activity produced by 420 MeV ^{92}Mo on ^{95}Mo target; Fragment Mass Analyzer with double-sided silicon detectors; measured $E\alpha$, $T_{1/2}$.

 ^{181}Tl Levels

<u>E(level)</u>	<u>J^π</u>
0.0	(1/2 ⁺)

 α radiations

<u>$E\alpha^\dagger$</u>	<u>E(level)</u>	<u>HF[†]</u>	<u>Comments</u>
8030 15	0.0	14 3	HF=15 4 for $r_0=1.52$; 10.0 22 for $r_0=1.50$ and 6.7 15 for $r_0=1.48$.

[†] From [2004An07](#).