

^{186}Hg α decay (1.38 min) 1970Ha18,1993ToZY

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 130, 21 (2015)	15-Jul-2015

Parent: ^{186}Hg : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=1.38$ min 6; $Q(\alpha)=5204$ 10; $\% \alpha$ decay=0.016 5

^{186}Hg - $T_{1/2}$: From ^{186}Hg Adopted Levels in ENSDF database.

^{186}Hg - $Q(\alpha)$: From 2012Wa38.

^{186}Hg - $\% \alpha$ decay: $\% \alpha=0.016$ 5 from $I(\text{K x ray})/I\alpha$ (1970Ha18). Other: 0.018 (1993ToZY, from $I_\gamma/I\alpha$).

Measured $E\alpha$, branching ratio.

[Additional information 1.](#)

 ^{182}Pt Levels

<u>E(level)</u>	<u>J^π</u>
0	0^+

 α radiations

<u>$E\alpha$</u>	<u>E(level)</u>	<u>HF[†]</u>	<u>Comments</u>
5094 15	0	1.0	$E\alpha$: α energy was measured by 1970Ha18 and 1993ToZY. $I\alpha$: 94 6 per 100 α decays is used in computation.

[†] $r_0(^{182}\text{Pt})=1.504$ 27 is calculated from $\text{HF}(5094\alpha)=1.0$.