

^{194}Hg ϵ decay (447 y) [1973Or02](#),[1967Cr09](#),[1964Be14](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 177, 1 (2021)	3-Sep-2021

Parent: ^{194}Hg : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=447$ y 52; $Q(\epsilon)=28$ 4; % ϵ decay=100.0

^{194}Hg - $T_{1/2}$: From Adopted Levels of ^{194}Hg .

^{194}Hg - $Q(\epsilon)$: From [2021Wa16](#).

Others: [1981Ho18](#), [1977PrZX](#), [1961Me12](#), [1958Br88](#), [1958Ma50](#), [1955Br12](#).

Measured $T_{1/2}$ of ^{194}Hg and x-rays.

No γ rays and K x ray observed ([1973Or02](#),[1967Cr09](#),[1964Be14](#)).

L_β x ray/ L_α x ray=0.68, L_γ x ray/ L_α x ray=0.32 ([1967Cr09](#)).

 ^{194}Au Levels

E(level)	J^π	Comments
0.0	1^-	J^π : from Adopted Levels.

 ϵ radiations

E(decay)	E(level)	I_ϵ^\dagger	Log ft	Comments
(28 4)	0.0	100	8.4 3	$\epsilon L=0.686$ 25; $\epsilon M+=0.314$ 25 Observation of L x ray and not K x ray implies $Q(\epsilon)>14$ and <81 keV.

† Absolute intensity per 100 decays.