

$^{193}\text{Pt}$   $\varepsilon$  decay (50 y) [1983Jo04](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 143, 1 (2017)	31-Mar-2017

Parent:  $^{193}\text{Pt}$ :  $E=0.0$ ;  $J^\pi=1/2^-$ ;  $T_{1/2}=50$  y 6;  $Q(\varepsilon)=56.6$  3;  $\% \varepsilon$  decay=100.0

[1983Jo04](#) and [1985Ri05](#) report  $\leq 500$  eV for electron-neutrino mass (measured internal bremsstrahlung spectrum, bremsstrahlung-L x ray coin ( $^{193}\text{Pt}$  sources extracted from lead in ISOLDE facility; silicon, intrinsic germanium detectors)). [1983Ke07](#) discuss recoilless resonant neutrino absorption by nuclei.

 $^{193}\text{Ir}$  Levels

E(level)	$J^\pi^\dagger$	$T_{1/2}$
0.0	$3/2^+$	stable

$^\dagger$  From Adopted Levels.

 $\varepsilon$  radiations

E(decay)	E(level)	$I_\varepsilon^\dagger$	Log $ft$	Comments
(56.6 3)	0.0	100	7.16 6	$\varepsilon_L=0.6761$ ; $\varepsilon_{M+}=0.3239$ 6 $\varepsilon_M/\varepsilon_L=0.386$ 14 ( <a href="#">1971Ra18</a> ).

$^\dagger$  Absolute intensity per 100 decays.