

^{188}Pb ε decay (25.5 s) [1981To02](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev, S. Juutinen, D. J. Hartley		NDS 150, 1 (2018)	1-Feb-2018

Parent: ^{188}Pb : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=25.5$ s I ; $Q(\varepsilon)=4521.32$; $\% \varepsilon + \% \beta^+$ decay = 91.5 5

[1981To02](#): Mass separated sources from the $^{180}\text{W}(^{16}\text{O},8n)$ reaction. Measured γ , $\gamma\gamma$, and α data.

The decay scheme is very incomplete and normalizations to absolute emission probabilities and determinations of $\log ft$ values were not carried out.

 ^{188}Tl Levels

<u>E(level)[†]</u>	<u>J^π[‡]</u>
0.0	(2 ⁻)
185.0 3	(3 ⁺)
758.2 3	

[†] From $E\gamma$'s.

[‡] From Adopted Levels.

 $\gamma(^{188}\text{Tl})$

<u>E_γ[†]</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
185.0 3	185.0	(3 ⁺)	0.0	(2 ⁻)
758.2 3	758.2		0.0	(2 ⁻)

[†] Observed in coincidence with Tl x rays with about equal intensities. Both transitions showed $T_{1/2}=22$ s 2 timing component.

 ^{188}Pb ϵ decay (25.5 s) 1981To02Decay Scheme