

^{186}Ir IT decay

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. C. Batchelder and A. M. Hurst, M. S. Basunia		NDS 183, 1 (2022)	1-Mar-2022

Parent: ^{186}Ir : $E=x+0.0$; $J^\pi=2^-$; $T_{1/2}=1.90\text{ h } 5$; %IT decay ≈ 25.0

No change compared to previous evaluation ([2003Ba44](#)).

The IT decay of the 2^- isomer of ^{186}Ir has not been observed but is inferred from the beta decay scheme of ^{186}Pt ([1991Be25](#)).

All data are taken from Adopted Levels, gammas.

 ^{186}Ir Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	5^+	16.64 h 3	
x+0.0	2^-	1.90 h 5	% ϵ +% β^+ ≈ 75 ; %IT ≈ 25 %IT: 20-30% estimated from 1991Be25 , however this transition has not been observed.

 $\gamma(^{186}\text{Ir})$

E_γ	$E_i(\text{level})$	J^π_i	Mult.	$I_{(\gamma+ce)}^\dagger$
(≤ 1.5)	x+0.0	2^-	[E3]	100

† For absolute intensity per 100 decays, multiply by ≈ 0.25 .