

$^{116}\text{Cs } \beta^+ \text{ decay (0.70 s) } \mathbf{1980\text{Ma16}}$

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 717 (2010)	1-Dec-2009

Parent: ^{116}Cs : $E=0.0$; $J^\pi=(1^+)$; $T_{1/2}=0.70 \text{ s } 4$; $Q(\beta^+)=10979.0 \text{ SY}$; $\% \beta^+ \text{ decay} \approx 100.0$

Most of the β^+ intensity feeds the first 2^+ level of ^{116}Xe ([1980Ma16](#)). No evidence for the 4^+ to 2^+ 254γ . See ^{116}Cs Adopted Levels levels for (β^+)-delayed proton and α branching.

$Q_+=10.5 \text{ MeV } 15$ ([1978Da07](#)).

 ^{116}Xe Levels

E(level)	J^π	$T_{1/2}$
0.0	0^+	56 s 2
393.5	2^+	

 $\gamma(^{116}\text{Xe})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
393.5 2	393.5	2^+	0.0	0^+

 $^{116}\text{Cs } \beta^+ \text{ decay (0.70 s) } \mathbf{1980\text{Ma16}}$ Decay Scheme