

$^{77}\text{Zn } \beta^-$ decay (1.05 s) [1986Ek01](#),[2009Pa35](#),[2009II01](#)

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Balraj Singh	ENSDF	30-Sep-2020

Parent: ^{77}Zn : E=772.440 15; $J^\pi=1/2^-$; $T_{1/2}=1.05$ s 10; $Q(\beta^-)=7203$ 3; $\% \beta^-$ decay=66 7

^{77}Zn -E, J^π , $T_{1/2}$: From ^{77}Zn Adopted Levels.

^{77}Zn - $Q(\beta^-)$: from [2017Wa10](#). Measured mass excess for $^{77}\text{Ga}=-65995.0$ keV 42 ([2019Hu15](#)), as compared to -65992.3 keV 24 in [2017Wa10](#) leads to $Q(\beta^-)=7205.8$ keV 47.

^{77}Zn - $\% \beta^-$ decay: From $\% \beta^- = 66$ 7 ([2009II01](#)). Others: $\% \beta^- > 52$ ([2009Pa35](#)), $\% \text{IT} > 50$ from [1986Ek01](#).

The details of the β decay of this isomer are not known.

 ^{77}Ga Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	$3/2^{(-)}$	13.2 s 2	$J^\pi, T_{1/2}$: from the Adopted Levels.