

^{77}Y ϵ decay (57 ms) [2001Ki13,2002Fa13](#)

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

Parent: ^{77}Y : $E=0.0$; $J^\pi=(5/2^+)$; $T_{1/2}=57$ ms +22-12; $Q(\epsilon)=11370$ SY; % ϵ +% β^+ decay=100.0

^{77}Y -Q(ϵ): 11370 200 (syst, [2017Wa10](#)).

[2002Fa13](#), [2001Ki13](#): production of ^{77}Y in $^9\text{Be}(^{112}\text{Sn},X)$ at 1 GeV/nucleon, GSI facility using fragment separator. Time correlated events of the decay $^{77}\text{Y}(\epsilon)\rightarrow^{77}\text{Sr}(\epsilon)\rightarrow^{77}\text{Rb}$ were detected from the same pixel in a stack of position-sensitive Si detectors. Also [2007WeZX](#) preprint from the same group as [2002Fa13](#).

[Additional information 1](#).

 ^{77}Sr Levels

<u>E(level)</u>	<u>J^π</u>	<u>$T_{1/2}$</u>	<u>Comments</u>
0.0	$5/2^{(+)}$	9.0 s 2	$J^\pi, T_{1/2}$: from the Adopted Levels.