
 $^{60}\text{Ti} \beta^-$ decay [2005Ga01](#), [2003So02](#), [2003So21](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 114, 1849 (2013)	31-Dec-2012

Parent: ^{60}Ti : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=22.2$ ms 2; $Q(\beta^-)=10910$ SY; $\% \beta^-$ decay=100.0

^{60}Ti - $T_{1/2}$: Adopted value.

^{60}Ti - $Q(\beta^-)$: 10910 550 (syst, [2012Wa38](#)).

[Additional information 1](#).

All information taken from [2005Ga01](#), unless otherwise stated. ^{60}Ti produced in fragmentation of $^{76}\text{Ge}^{30+}$ beam on a ^{58}Ni target.

[2005Ga01](#): Measured $E\gamma$, $I\gamma$, $I\beta$, $\gamma\gamma$, $\beta\gamma$ coin, $\gamma(t)$, lifetimes with four Ge detectors placed around a thick Si telescope.

 ^{60}V Levels

E(level)	$T_{1/2}$	Comments
0+x	122 ms 18	J^π : $J^\pi=(3^+)$, from systematics (2012Au07). $T_{1/2}$: From 1999So20 , also 2001So07 and 1999Le67 . Others: 200 ms 40 (1998Am04), 220 ms 30 (1995AmZX).
0+y	40 ms 15	J^π : $J^\pi=(1^+)$, from systematics (2012Au07). $T_{1/2}$: From 2003So02 . 68 ms 5 (2003So02 , 2005Ga01), indirect value from fitting to decay curve of ^{60}Ti .