
 ^{112}In β^- decay [1962Ru05,1953Bl44](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, F. G. Kondev		NDS 124, 157 (2015)	1-Aug-2014

Parent: ^{112}In : $E=0.0$; $J^\pi=1^+$; $T_{1/2}=14.88$ min 15; $Q(\beta^-)=665$ 4; $\% \beta^-$ decay=38 4

[1962Ru05](#): Facility: Osaka University cyclotron; Source: ^{112}In from $^{112}\text{Cd}(d,2n)$ and $^{109}\text{Ag}(\alpha,n)$, where $E(d)=11$ MeV and $E(\alpha)=22$ MeV; Detectors: β -spectrometer of Mashroom type, one NaI(Tl); Measured: $E\beta$, $I\beta$; Deduced: $\log ft$.

[1953Bl44](#): chemically separated In source from $\alpha+\text{Ag}$ reaction, where $E(\alpha)=20$ MeV; Measured: $E\beta$, $I\beta$, $\beta(t)$; Deduced: t , β -decay Branching.

 ^{112}Sn Levels

$E(\text{level})$	$J^\pi^\dagger$
0.0	0^+

† From the Adopted Levels.

 β^- radiations

$E(\text{decay})$	$E(\text{level})$	$I\beta^-^\dagger$	$\log ft$	Comments
658 6	0.0	100	4.19 5	av $E\beta=214.8$ 16 $E(\text{decay})$: waverage of 656 6 in 1953Bl44 and 670 15 in 1962Ru05 . $I\beta^-$: $I\beta^-/I\beta^+=1.94$ (1953Bl44), 2.04 (1962Ru05).

† For absolute intensity per 100 decays, multiply by 0.38 4.