

^{52}Ti β^- decay (1.7 min) 1967Mo11

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde		NDS 128, 185 (2015)	10-Jul-2015

Parent: ^{52}Ti : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=1.7$ min I ; $Q(\beta^-)=1975$ 7; $\% \beta^-$ decay=100.0

Source from $^{50}\text{Ti}(t,p)$ reaction, measured a low energy γ -ray spectrum with a thin NaI crystal with beryllium window, measured γ -ray spectrum around the energy of 125 keV with a 2 cm³ Ge(Li) detector, $\gamma\gamma$ -coin.

 ^{52}V Levels

E(level)	J^π [†]
0	3 ⁺
17.153 6	2 ⁺ , 3 ⁺
141.606 7	1 ⁺

[†] From Adopted Levels.

 β^- radiations

E(decay)	E(level)	$I\beta^-$ [†]	Log ft	Comments
(1833 7)	141.606	100	4.04 3	av $E\beta^- = 742$ 4 $I\beta^-$: no feeding to g.s., 17-keV level.

[†] Absolute intensity per 100 decays.

 $\gamma(^{52}\text{V})$

E_γ [†]	I_γ ^{‡@}	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	α [#]	$I_{(\gamma+ce)}$ [@]	Comments
17.153 6	24.6 4	17.153	2 ⁺ , 3 ⁺	0	3 ⁺	M1	3.06 5	100 2	Mult.: from adopted γ 's.
124.453 3	91.7	141.606	1 ⁺	17.153	2 ⁺ , 3 ⁺	[M1,E2]	0.09 8	100	

[†] From adopted γ 's.

[‡] From $I(\gamma+ce)=100$.

[#] From Brlcc.

[@] Absolute intensity per 100 decays.

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Legend

