^{54}Ti β^- decay 1996Do23

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde	NDS 121, 1 (2014)	20-Jun-2014

Parent: ^{54}Ti: E=0.0; $J^\pi=0^+$; $T_{1/2}$=2.1 s *10*; Q(β^-)=4.30×10^3 *13*; %β^- decay=100.0
Source from ^{9}Be(^{65}Cu,Xγ), E=64.5 MeV/nucleon measured γ, $\beta\gamma$-coin.

^{54}V Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	3^+	49.8 s *5*	
9.0×10^2 *10*	1^+		$T_{1/2}$: from Adopted Levels. J^π: log *ft*=5.02 from 0^+ (^{54}Ti) and γ to 3^+.

β^- radiations

E(decay)	E(level)	Iβ^-[†][‡]	Log *ft*	Comments
(3.40×10^3 *17*)	900	90	5.02 *15*	av Eβ=3583.0 *13* ΔIβ: +10-20.

† β^-ray feeding intensity for the level At 900 keV is 90%(20), feeding states below 900 keV is smaller than 30%.
‡ Absolute intensity per 100 decays.

γ(^{54}V)

E_γ	E_i(level)	J^π_i	E_f	J^π_f
9.0×10^2 *10*	9.0×10^2	1^+	0.0	3^+

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Decay Scheme