^{53}Co ε decay (247 ms)   1970Ce04,1972Ce01

	Type	Author	History Citation	Literature Cutoff Date
	Full Evaluation	Huo Junde	NDS 110,2689 (2009)	31-Mar-2007

Parent: ^{53}Co: E=3197 *29*; J$^{\pi}$=(19/2^{-}); T$_{1/2}$=247 ms *12*; Q(ε)=8300 *18*; %ε+%β^{+} decay$\approx$98.5
^{53}Co-%ε+%β^{+} decay: Probability of proton emission $\approx$1.5% (1972Ce01).
Produced in ^{54}Fe(p,2n), measured: β^{+}, γ.

^{53}Fe Levels

E(level)	J$^{\pi}$
0.0	7/2^{-}
3041	19/2^{-}

ε,β^{+} radiations

E(decay)	E(level)	Iβ^{+} [†]	Iε [†]	Log *ft*	I($\varepsilon+\beta^{+}$)[†]	Comments
(8.46×10^{3} *4*)	3041	99.902	0.098	3.6	100.000	av Eβ= 3507 *9*; εK= 0.000873 *7*; εL= 9.24×10^{-5} *7*; εM+=1.614×10^{-5} *12*

[†] For absolute intensity per 100 decays, multiply by $\approx$0.985.