

^{53}Mn ε decay [1955Wi31,1963Ka33](#)

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

Parent: ^{53}Mn : $E=0.0$; $J^\pi=7/2^-$; $T_{1/2}=3.7\times 10^6$ y 4; $Q(\varepsilon)=596.8$ 4; $\% \varepsilon$ decay=100.0

[1955Wi31](#): Produced in $^{53}\text{Cr}(p,n)$ at $E=9.5$ MeV, measured γ , x rays.

Observed Cr x rays, γ 's were not observed ([1955Wi31,1963Ka33](#)).

 ^{53}Cr Levels

E(level)	J^π [†]
0.0	$3/2^-$

[†] Adopted values.

 ε radiations

E(decay)	E(level)	I_ε [†]	Log ft				Comments		
(596.8 4)	0.0	100	12.9	$\varepsilon\text{K} =$	0.8897;	$\varepsilon\text{L} =$	0.09401;	$\varepsilon\text{M} =$	0.01632

[†] Absolute intensity per 100 decays.