

$^{55}\text{Mn}(\mu^-, n\gamma)$ 1973Ev02, 1971Ba10

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

E=0 MeV, separated x-ray and capture γ -ray spectra, Ge(Li), counter telescope.
 Measured isotope shift: 1970Ma26; see also 1974En10, 1968WuZZ.

 ^{54}Cr Levels

E(level)	J^π
0.0	0^+
834.79 13	
1823.74 22	




 $\gamma(^{54}\text{Cr})$

E_γ	I_γ^\dagger	$E_i(\text{level})$	E_f	J_f^π	Comments
834.78 13	47.2 24	834.79	0.0	0^+	E_γ : from 1973Ev02.
988.94 17	19.8 23	1823.74	834.79		E_γ : from weighted average of 988.8 keV 3 (1971Ba10) and 989.0 keV 2 (1973Ev02).

† Photons/100 muon captures from weighted average of 1973Ev02 and 1971Ba10.

 $^{55}\text{Mn}(\mu^-, n\gamma)$ 1973Ev02, 1971Ba10Level SchemeIntensities: Relative I_γ

Legend

	$I_\gamma < 2\% \times I_\gamma^{\text{max}}$
	$I_\gamma < 10\% \times I_\gamma^{\text{max}}$
	$I_\gamma > 10\% \times I_\gamma^{\text{max}}$

