

$^{55}\text{Mn}(\mu^-, \text{n}\gamma)$     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  $\gamma$ -ray spectra, Ge(Li), counter telescope.  
Measured isotope shift: 1970Ma26; see also 1974En10, 1968WuZZ.

 $^{54}\text{Cr}$  Levels

E(level)	$J^\pi$
0.0	$0^+$
834.79 13	
1823.74 22	

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

E $_\gamma$	I $_\gamma$ <sup>†</sup>	E $_i$ (level)	E $_f$	J $^\pi_f$	Comments
834.78 13	47.2 24	834.79	0.0	$0^+$	E $_\gamma$ : from 1973Ev02.
988.94 17	19.8 23	1823.74	834.79		E $_\gamma$ : from weighted average of 988.8 keV 3 (1971Ba10) and 989.0 keV 2 (1973Ev02).

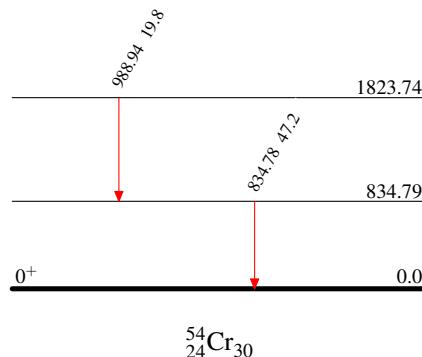
<sup>†</sup> Photons/100 muon captures from weighted average of 1973Ev02 and 1971Ba10.

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## Legend

Level Scheme  
Intensities: Relative I $_\gamma$

- I $_\gamma < 2\% \times I_{\gamma}^{max}$
- I $_\gamma < 10\% \times I_{\gamma}^{max}$
- I $_\gamma > 10\% \times I_{\gamma}^{max}$



$^{54}\text{Cr}_{30}$