

$^{55}\text{Mn}(e,e')$ 1969Th08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huo Junde	NDS 109, 787 (2008)	30-Apr-2007

E=51-60 MeV, measured E(θ) at $\theta=69^\circ, 89^\circ, 109^\circ, 129^\circ, 149^\circ$; DWBA analysis.

 ^{55}Mn Levels

E(level)	L [†]	Comments
0.0		
980 30	2	B(E2) $\uparrow=0.0147$ 30
1530 30	(2)	B(E2) $\uparrow=0.0028$ 16 B(E2) \uparrow : If L=2.
1880 30	2	B(E2) $\uparrow=0.0068$ 15
2290 30	2	B(E2) $\uparrow=0.0154$ 30
3050 30	(2+3)	B(E2) $\uparrow=0.0034$ 10; B(E3) $\uparrow=0.0056$ 16 B(E2) \uparrow ,B(E3) \uparrow : If L=2 or 3, respectively.

[†] All $\sigma(\theta)$ could be fitted under the assumption of an electric quadrupole transition. The fits for the 1.53- and 3.05-MeV excitations gave less accurate results because of the large error bars associated with the data points.