

$^{55}\text{Mn}(\alpha,\alpha')$ 1969Ga15

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

E=50 MeV, FWHM: 50-75 keV; Si(Li) detectors; measured $\sigma(\theta)$; DWBA analysis.
See also [1965Br24](#), [1965Ta06](#), [1971HiZH](#), and [1973De44](#).

 ^{55}Mn Levels

E(level)	J^π [†]	L	Comments
0.0			
126	$7/2^-$	2	B(E2) \uparrow =0.043 4
983	$9/2^-$	2	B(E2) \uparrow =0.017 2
1289		3	B(E3) \uparrow =0.00059 6
1527			
1884	$5/2^-, 7/2^-$	2	B(E2) \uparrow =0.012 1
2250 20		2	B(E2) \uparrow =0.0036 4
2370 20		2	B(E2) \uparrow =0.0054 6
2820 20		2	B(E2) \uparrow =0.0041 4
3050 20		3	B(E3) \uparrow =0.00065 7
4090 20		3	B(E3) \uparrow =0.00077 8
4200 20		3	B(E3) \uparrow =0.0032 3
4270 20		3	B(E3) \uparrow =0.0015 2
4390 20		3	B(E3) \uparrow =0.0015 2
4600			
5040			

[†] Based on $\sigma(E\alpha,\theta)$ measurements, and DWBA analyses.