

$^{55}\text{Mn}(d,^3\text{He})$  1996Ne05

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

$J^\pi(^{55}\text{Mn})=5/2^-$ .

1961Yn03: E=21.6 MeV, two solid state detector, measured angular distribution.

1996Ne05: E=46 MeV, Measured angular distributions, from  $6^\circ$  to  $30^\circ$ , magnetic spectrometer, FWHM $\approx$ 40 keV, DWBA analysis.

All data are from 1996Ne05.

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

E(level)	L	S	E(level)	L	S	E(level)	L	S	E(level)	L	S
0.0	3	0.02	3220 5	3	0.27	4128 5	0,2	0.04,0.07	5191 11	0,2	0.04,0.47
835 1	3	0.85	3429 8	1,3	0.01,0.05	4237 4	0,2	0.61,0.35	5310 9	0	0.96
1824 2	3	0.99	3656 4	3	0.34	4551 6	0,2	0.02,0.11	5574 10	0,2	0.02,0.33
2622 4	1,3	0.01,0.02	3788 3	3	1.06	4619 4	0,2	0.02,0.11	5771 12	0,2	0.05,0.34
3076 3	1,3	0.05,0.09	3926 4	1,3	0.05,0.22	4868 7	1,2	0.03,0.67	5983 13	0,2	0.12,0.59
3159 1	1,3	0.09,0.84	4041 4	3	0.13	4936 8	0,2	0.05,0.87	6104 6	0,2	0.02,0.22