

$^{53}\text{Cr}(\text{d},\text{n})$  1968Ok05

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

$J^\pi(^{53}\text{Cr})=3/2^-$ .

$E=11.7$  MeV, measured neutron spectra, angular distribution; tof spectrometer, stilbene crystal; DWBA analyses.

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

E(level)	L	$S^\dagger$
0	3	5.26
820 50	1	0.08
1390 50	1	0.16
2390 50	1	1.49
$\approx 3370^\ddagger$	1	1.57
3890 50	1	0.44
4330 50	(1)	0.44
4650 50		
5080 50		
5440 50		

$^\dagger S=C^2S'$ .

$^\ddagger$  Multiplet.