

$^{53}\text{Cr}(\text{d,t}),(\text{pol d,t})$ 1967Fi06,1981Bi04

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde		NDS 128, 185 (2015)	10-Jul-2015

Target $J^\pi=3/2^-$.

1967Fi06: $^{53}\text{Cr}(\text{d,t})$, $E=11.8$ MeV, dE/dx -E counter telescopes, DWBA analysis.

1981Bi04: $^{53}\text{Cr}(\text{pol d,t})$, $E=11.0$ MeV, measured vector analyzing power and $\sigma(E,t,\theta)$ with four solid-state counter telescopes, ≈ 100 keV FWHM.

 ^{52}Cr Levels

E(level) [†]	L [#]	C ² S [‡]	Comments
0.0	1	0.39	
1430	1+3		L=1 s=0.15, L=3 S≈0.13.
2370	3	0.1	
2640	1	0.01	
2770	3	0.12	
3460			Doublet. 1981Bi04 report L=3, C ² S=1.45.
3800	3	0.31	
4090	3	0.79	

[†] From 1967Fi06.

[‡] See 1967Fi06 for details.

[#] From DWBA analysis, 1967Fi06.