

$^{54}\text{Cr}(\text{d,t})$ 1975Bo01,1991A114

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huo Junde	NDS 110,2689 (2009)	31-Mar-2007

1975Bo01: E=12 MeV, FWHM=45-65 keV, $\sigma(E,\theta)$, DWBA analysis.

1967Fi06: E=12 MeV, $\sigma(E,\theta)$, DWBA analysis.

1991A114: E=15, 16, and 18 MeV, polarized deuteron beam, magnetic spectrograph with a position-sensitive detector and particle identification system, measured vector analyzing power, DWBA analysis.

Other: 1982AIZT.

All data are from 1975Bo01, except as noted.

 ^{53}Cr Levels

ΔE : About 15-20 keV.

E(level)	J^π [†]	L	S	Comments
0.0	$3/2^-$	1	0.66	
564	$1/2^-$	1	0.24	
1006	$5/2^-$	3	0.54	
1287	$7/2^-$	3	0.68	
1539	$7/2^-$	3	2.3	$C^2S=1.8$ (1991A114).

[†] From vector analyzing power and DWBA calculation, 1991A114.

[‡] About 15-20 keV.