

⁵³Cr(α,α')

1966Me07,1990Ba23

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

1966Me07: E=50 MeV, FWHM≈100 keV estimated by evaluators from author’s spectrum, measured $\sigma(\theta)$.
1990Ba23: E=25 MeV, FWHM=150 keV to 250 keV, measured $\sigma(\theta)$, $\sigma(E\gamma)$. Coupled-channel analysis of $\sigma(\theta)$.

⁵³Cr Levels

E(level) [†]	J π [‡]	E(level) [†]	E(level) [†]	E(level) [†]
0	3/2 ⁻	1960	3170	4440
564	1/2 ⁻	2180	3320	4590
1008	5/2 ⁻	2390	3670	4760
1290	7/2 ⁻	2700	3750	
1550	7/2 ⁻	2950	4300	

[†] From 1966Me07.
[‡] Based on $\sigma(\theta)$ and coupled channels analysis (1990Ba23).