^{53}Cr(t,p)   **1972Ma66**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huo Junde	NDS 109, 787 (2008)	30-Apr-2007

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

E=12 MeV, multigap spectrograph; measured $\sigma(\theta)$ (5°−175°).

^{55}Cr Levels

E(level)	L[†]	S[‡]	Comments
0.0	0	1.21	
245	2	0.16	
524	2+(4)	0.16+(0.02)	
573	0+2	0.06+0.07	
893	2	0.04	
1447	4	0.04	
1487	(0+2)	(0.04+0.03)	
2031	1	0.08	
2098	0+(3)	0.87+(0.01)	
2341	0	1.00	
2570 *15*	2	0.13	
2622	(0+2)	0.04+0.04	
2695	4+(1)	0.01+(0.03)	
2710	0	0.14	
2880	2	0.08	
2905	4	0.06	
3043	2	0.08	
3114	3	0.06	
3330	2		
3530 *20*	0		$\sigma(5°)$=0.08 mb/Sr.
3570 *20*	0		$\sigma(5°)$=0.13 mb/Sr.
4160 *20*	0		$\sigma(5°)$=0.21 mb/Sr.

[†] Based on DWBA analyses.

[‡] $(d\sigma/d\Omega)$max in mb/sr. Uncertainty is 5% for $\sigma \geq 0.04$ mb/Sr and 10% for $\sigma \approx 0.01$ mb/Sr.