

$^{50}\text{Ti}(t,p)$ 1981Ma12,1971Ca19,1966Wi11

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

1981Ma12: E=15 MeV, FWHM \approx 25 keV, measured $\sigma(\theta,E(p))$, the reaction products were momentum analyzed with a multi-angle spectrograph over a laboratory angular range from 3.75° to 86.25° in 7.5° intervals, DWBA analysis.

1966Wi11: E=7.5 MeV, resolution 50 keV, measured $\sigma(\theta)$, E- Δ E solid-state detector system.

1971Ca19: E=13 MeV, measured $\sigma(\theta)$, Elbek-type magnetic spectrograph and photographic plate, studied L=0 transition to g.s. only.

 ^{52}Ti Levels

E(level) [†]	L [‡]	S	Comments
0.0	0	2.4 4	S: $d\sigma/d\Omega$ (mb/sr) at 12.5° (1971Ca19).
1050 4	2		
2262 8	2		
2316 8	4		
2429 8	2		
3346 8	4		
3447 8	3		
3583 8	2		
3872 8	3		
3916 8	2		
4058 8	(4)		
4098 8	0,1		
4212 8	0,1		
4324 8	1,0		
4691 8	1,0		
4772 8	(2)		
4823 8			
4909 8			
5010 8			

[†] From 1981Ma12.

[‡] From a comparison between the experimental angular distributions and those calculated using the DWBA (see 1981Ma12).