^{48}Ti(p,d) 1970Pl03

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows	NDS 108, 923 (2007)	20-Feb-2007

E=24.8-45.05 MeV. Measured $\sigma(\theta)$; Si telescope. Overall energy resolution=50-60 keV. DWBA. Data given below are for E=35.15 MeV. Others: see 1977Ha45.

^{47}Ti Levels

E(level)[†]	L	C^2S'	Comments
0.0	3	0.12	
1.6×10^2 *2*	3	3.6	
1.25×10^3 *3*			
1.44×10^3 *3*	(5)	0.01	
1.55×10^3 *2*	1	0.15	
1.82×10^3[‡] *2*	2+1	1.9+0.04	
2.16×10^3 *3*	1	0.03	
2.26×10^3 *3*			$\sigma(\theta)$ has no definite peak.
2.37×10^3 *2*	0	(0.59)	
2.60×10^3[‡] *2*	3+0	0.29+(0.08)	
2.82×10^3 *2*	3	0.25	
3.22×10^3 *2*	3	0.46	
3.50×10^3 *3*	1	0.03	
4.15×10^3[‡] *2*	(2)+(1)	(0.37+0.02)	
7.38×10^3[#] *2*	3	0.46	T=5/2
8.18×10^3[#] *2*	2	1.4	T=5/2
8.80×10^3[#] *2*	0	(0.80)	T=5/2

[†] Uncertainty 15-25 keV, depending on strength.
[‡] Unresolved doublet.
[#] Isobaric analog states of ^{47}Sc g.s.,$7/2^-$, 767, $(3/2)^+$, and 1391, $1/2^+$, respectively.