

$^{46}\text{Ti}(\text{p,p}')$, (pol p,p') 1987Fu03,1989Wi13

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 91, 1 (2000)	15-Jul-2000

E=201 MeV; FWHM=70 keV (1989Wi13).

E=65 MeV, FWHM=25 keV (1987Fu03).

E=17.5 MeV (1968Pe10).

E=21.23 MeV (1968Ba13).

E=8-10 MeV (1966Mo18).

Measured: $\sigma(E,\theta)$; DWBA analysis in all papers; analyzing power (1987Fu03). Others: 1976Kr16, 1976An08, 1976An09, 1969Lu04.

Other: 1997Ah08.

 ^{46}Ti Levels

E(level)	J^π	L	$\beta_{LR}^{\dagger a}$	Comments
0.0				
889 5	2 ⁺	2	1.1	
2009 5	4 ⁺	4	0.37	
2610 [‡] 10				
2961 5	2 ⁺	2	0.071	
3059 5	3 ⁻	3	0.423	
3168 5	1 ⁻			
3236 5	2 ⁺	2	0.29	
3298 5	6 ⁺	6	0.081	
3338 [#] 18				
3436 5		(4)	0.63	E(level): from 1987Fu03. L, β_{LR} : from 1968Ba13.
3569 5	3 ⁻	3	0.459	
3607 5				
3680 5				
3722 5		(4)	0.54	L, β_{LR} : from 1968Ba13. E(level): from 1987Fu03.
3848 [#] 5	(4 ⁺)	(4)	0.68	E(level): from 1987Fu03.
3893 5	2 ⁺	2	0.060	
3941 5	4 ⁺	4	0.161	Additional information 1.
4006 5				
4030 5				
4143 5	2 ⁺	2	0.133	
4194 5	3 ⁻	3	0.511	
4312 5	1 ⁺			
4370 5	3 ⁻	3	0.074	
4419 5	(5 ⁻)	(5)	0.215	
4527 5	(6 ⁺)	(6)	0.168	
4700 5	(2 ⁺)	(2)	0.117	
4788 5				
4827 5	3 ⁻	3	0.208	
4900 5				
5027 10	3 ⁻	3	0.127	
5080 10	(4 ⁺)	(4)	0.205	
5154 10				
5207 10	3 ⁻	3	0.200	
5230 10				
5360 10	(5 ⁻ ,6 ⁺)	(5,6)		
5409 10	3 ⁻	3	0.137	
5515 10	2 ⁺	2	0.142	
5604 10	(2 ⁺)	(2)	0.089	

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$^{46}\text{Ti}(\text{p,p}')$, (pol p,p') 1987Fu03,1989Wi13 (continued) ^{46}Ti Levels (continued)

E(level)	J^π	L	$\beta_{\text{LR}}^{\dagger a}$	Comments
5697 10	(2 ⁺)	(2)	0.127	
5793 10	4 ⁺	4	0.155	
5828 10	3 ⁻	3	0.142	
5872 10	(2 ⁺)	(2)	0.112	
5945 10	3 ⁻	3	0.367	
5992 10	(4 ⁺)	(4)	0.155	
6118 10	2 ⁺	2	0.185	
6217 10	3 ⁻	3	0.112	
6275 10				
6338 10	4 ⁺	4	0.114	
6360 @	1 ⁺ &			
6389 10	4 ⁺	4	0.134	
6458 10	3 ⁻	3	0.078	
6513 10				
6574 10				
6685 10	4 ⁺	4	0.142	
6739 10	(4 ⁺)	(4)	0.142	
6794 10				
6852 10				
6890 10	(3 ⁻ ,4 ⁺)	(3,4)		
6958 10	(3 ⁻)	(3)	0.142	
7019 10	(3 ⁻ ,4 ⁺)	(3,4)		
7120 10	(3 ⁻)	(3)	0.127	
7172 10				
7180 @	1 ⁺ &			
7238 10				
7312 10	3 ⁻	3	0.155	
7392 10	(3 ⁻)	(3)	0.088	
7410 @	1 ⁺ &			
7472 10				
7534 10	(3 ⁻)	(3)	0.088	
7608 10				
7630 @	1 ⁺ &			
7660 10				
7710 10				
7730 @	1 ⁺ &			
7735 10				
7788 10				
7874 10				
7937 10				
8013 10				
8040 10				
8134 10				
8230 10				
8460 @	1 ⁺ &			
9000 @	1 ⁺ &			E(level): multiplet with E=8900-9100.
9170 @	1 ⁺ &			
9420 @	1 ⁺ &			
9550 @	1 ⁺ &			
9670 @	1 ⁺ &			
9770 @	1 ⁺ &			
9870 @	1 ⁺ &			
10000 @	1 ⁺ &			

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$^{46}\text{Ti}(\text{p},\text{p}')$, (pol p,p') 1987Fu03,1989Wi13 (continued) ^{46}Ti Levels (continued)

E(level)	J^π	Comments
10180 [@]	1 ⁺ &	
10350 [@]	1 ⁺ &	
11050 [@]	1 ⁺ &	
11450 [@]	1 ⁺ &	
11570 [@]	1 ⁺ &	
11840 [@]	1 ⁺ &	
12200 [@]	1 ⁺ &	E(level): multiplet with E=12000-12400.
12650 [@]	1 ⁺ &	
13070 [@]	1 ⁺ &	
13310 [@]	1 ⁺ &	

[†] From 1987Fu03, except as noted.

[‡] From 1966Mo18.

From 1968Pe10.

@ From 1989Wi13.

& Ltr=0 from 1989Wi13.

^a For $d\sigma/d\Omega(J^\pi=1^+)$ see 1989Wi13.