

$^{47}\text{Ti}(\text{}^3\text{He},\alpha)$ [1968Br07,1968Lu06](#)

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

E=15 MeV ([1968Br07](#)); broad-range magnetic spectrograph, emulsions; DWBA analysis of angular distributions.

E=18.2 MeV ([1968Lu06](#)); 2 Si(Li) detectors; DWBA analysis of angular distributions.

$J^\pi(^{47}\text{Ti})=5/2^-$.

 ^{46}Ti Levels

<u>E(level)[†]</u>	<u>L</u>	<u>C²S[#]</u>	<u>Comments</u>
0.0			1968Lu06 report almost no transition strength to g.s..
889	3	0.3	
2030 <i>15</i>	3	0.4	
3238 <i>15</i>			
3313 <i>15</i>			
3597 <i>15</i>			
3836 <i>15</i>	3	1.4	
3919 <i>15</i>			
3955 <i>15</i>			
4021 <i>15</i>			
4314 <i>15</i>			
4381 <i>15</i>			
4437 <i>15</i>	(3)	0.9	
4530 <i>20</i>			
4573 <i>20</i>			
4708 <i>20</i>			
4802 <i>20</i>			
5039 <i>20</i>			
5117 <i>20</i>			
5203 <i>20</i>			
5321 <i>20</i>			
5535 <i>20</i>			
5710 <i>20</i>			
5903 <i>20</i>			
6305 <i>20</i>			
9214 [‡] <i>30</i>			
9399 [‡] <i>30</i>			
9495 [‡] <i>30</i>			
9860 <i>30</i>			
9966 [‡] <i>30</i>			
10033 <i>30</i>			
10347 <i>30</i>			
10519 <i>30</i>			
10647 <i>30</i>			
10943 <i>30</i>			

[†] From [1968Br07](#); g.s. not observed; 889 peak assignment assumed and used for energy normalization.

[‡] Proposed IAS ([1968Br07](#)).

[#] From [1968Lu06](#).