

$^{48}\text{Ti}(\text{p}, ^3\text{He})$ 1978Ko27,1976Gu03

<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

All data from 1976Gu03, except as noted.

E=42.13 MeV (1978Ko27); Q3D magnetic spectrograph at $\theta=21^\circ$ with proportional counter and plastic scintillation detector; measured Q of IAS.

E=40.2 MeV (1976Gu03); Enge split-pole magnetic spectrograph, proportional counter and plastic scintillation detector; DWBA analysis of angular distributions.

Other: 1998Ma08.

 ^{46}Sc Levels

<u>E(level)</u>	<u>L[†]</u>
0.0	4
47 15	6
143 15	1
227 15	2+4
290 15	1+3
450 15	2
590 15	3
635 15	5
780 15	4
840 15	4
999 15	0+2
1095 15	4
1140 15	5
1275 15	1+3
1330 15	
1400 15	(2)
1434 15	3
1648 15	(3,4)
1710 15	1+3
1803 15	(3)
1846 15	0+2
1923 15	2
2050 15	(3,4)
2077 15	(4)
2114 15	(0+2)
2200 15	(3+5)
2224 15	
2255 15	4
2287 15	1+3
2376 15	(0+2)
2405 15	4
2440 15	2+4
2522 15	(2+4)
2545 15	4
2651 15	
2677 15	0+2
2719 15	
2770 15	4
2813 15	0+2
2847 15	3
2876 15	2
2933 15	3
2965 15	2

Continued on next page (footnotes at end of table)

 $^{48}\text{Ti}(\text{p}, ^3\text{He})$ [1978Ko27](#), [1976Gu03](#) (continued)

 ^{46}Sc Levels (continued)

E(level)	L [†]	Comments
3021 15		
3059 15		
3080 15		
3116 15	0+2	
3187 15	(4)	
3224 15	0+2	
3264 15	(3,2+4)	
3290 15	2	
3340 15	2	
3396 15	(0+2,3)	
3448 15	(2)	
3491 15	(3,2+4)	
3544 15	0+2	
3578 15		
3604 15	0+2	
3630 15	(0+2)	
3672 15	0+2	
5021 6		Assigned as isobaric spin $T_{1/2}=3$ IAS (1978Ko27).

[†] From DWBA analyses.