^{46}Ti(^{16}O,^{15}N) 1973Ma01,1973Ko01

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

1973Ko01: E=48.0, 56.0 MeV. Measured $\sigma(\theta)$; telescopes, FWHM≈250 keV, 10° intervals. DWBA. Studied J-dependence of (^{16}O,^{15}N) reaction.
1973Ma01: E=48.0 MeV. Measured $\sigma(\theta$=20°−60°); ΔE-E telescopes. FWHM≈250 keV. DWBA.

^{47}V Levels

E(level)[†]	Jπ[‡]	L	C^{2}S′[#]	Comments
(0.0)				
147 *12*	7/2	4	4.3	Only this state was populated with appreciable strength in the work of 1973Ko01. L: from 1973Ko01. C^{2}S′: 1973Ko01 deduced N=2.0-3.1 from N=dσ/dΩ(exp,max)/(N(^{3}He,d)C^{2}S(^{15}N g.s.)(dσ/dΩ(max,RDRC))) assuming n(^{3}He,d)=2.0 and C^{2}s(^{15}n g.s.)=2.0. 1973Ma01 found that their data agreed with (^{3}He,d) best if N=3.75.
2083 *15*	3/2		2.4	
2548 *15*	7/2		5.4	Jπ: 5/2 assumption of 1967Ro13 does not give reasonable C^{2}S.

[†] From (^{3}He,d) (1967Ro13).
[‡] Assumed by 1973Ma01 for analysis.
[#] From 1973Ma01.