

${}^{48}\text{Ti}({}^{16}\text{O}, {}^{15}\text{N})$ [1978Sh22,1976Ma51](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows ^a	NDS 109, 1879 (2008)	14-Jul-2008

[1976Ma51](#): E=48 and 53 MeV. Measured $\sigma(\theta)$; magnetic spectrometer. Finite-range DWBA.

[1978Sh22](#): E=50 MeV. Measured $\sigma(\theta)$; Q3D. CCBA. Studied interference effects.

Other: see [1995Bu23](#).

Data on the first three excited states are from [1978Sh22](#). Data on the other excited states are from [1976Ma51](#). See [1978Sh22](#) and [1976Ma51](#) for comparisons with earlier (${}^{16}\text{O}, {}^{15}\text{N}$) data and with (${}^3\text{He}, \text{d}$) data.

 ${}^{49}\text{V}$ Levels

E(level)	J^π [†]	C^2S'	Comments
0.0	$7/2^-$	5.4,3.6	C^2S' : first value from 1976Ma51 ; see 1976Ma51 for values with other potentials. Second value from 1978Sh22 .
153	$3/2^-$	0.03	
1021	$11/2^-$	0.12	
1155	$9/2^-$	0.045	
1660	$3/2^-$	0.6	
2190	$5/2^-$	1.8	

[†] Assumed for analysis by authors.