

${}^{45}\text{Sc}({}^{16}\text{O}, {}^{15}\text{N})$ 1973Ma01

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

E=48 MeV.

Measured $\sigma(E, \theta)$; DWBA analysis.

See 1973Ma01 for comparison of strengths from heavy- and light-ion induced reactions.

$J^\pi({}^{45}\text{Sc})=7/2^-$.

 ${}^{46}\text{Ti}$ Levels

E(level) [†]	L [‡]	C ² S'	Comments
0.0	3	0.25	
891	3+1	0.19+0.01	
2014	3+1	0.11+0.02	
≈3300	3	0.56	E(level): unresolved levels, 3247+3310.
≈3900	3+1	0.40+0.04	E(level): unresolved levels, 3861+3955.
4533	3	0.84	
5187	3	0.6	

[†] From (${}^3\text{He}, d$) results (1968Br07).

[‡] Indicates assumed configuration of transferred proton: L=3 is 1f7/2, L=1 is 2p3/2.