^{48}Ti(α,p) 1971Ma14,1970Gi10

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Wang Jimin and Huang Xiaolong	NDS 144, 1 (2017)	1-Mar-2016

1971Ma14: E=8.25-10.75 MeV, FWHM≈110 keV estimated by the evaluator, measured σ(E(p),θ=90°) with E-ΔE telescope.
1970Gi10: E=31 MeV, FWHM≈150 keV, measured σ(E(p),θ) with E-ΔE detector, θ=20°−90°, in 5° steps. DWBA analysis.
For excitation function σ(Eα) and its σ(E(p),θ) see 1982An07.

^{51}V Levels

E(level)†	Jπ‡	L#	E(level)†	Jπ‡	L#	E(level)†	E(level)†	Jπ‡	L#
0.0	7/2−	3	1910			3310	4180@	(1/2)−	1
320			2410	(3/2)−	1	3400	4260		
470?&			2540			3610	4450		
930			2670			3810	4680		
1010?&			2870?			3870	4810		
1610			3080			3910	4850?		
1810			3150@	(3/2−)	(1)	4000			

† From 1971Ma14, except as noted; uncertainties range from 15-30 keV.
‡ Based on σ(E(p),θ) DWBA analysis for L transfer; values from 1970Gi10.
# From DWBA analysis of measured σ(θ) (1970Gi10).
@ From 1970Gi10.
& Seen only in this reaction.