

⁵¹V(α,α' p) **1989No01**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 157, 1 (2019)	15-Apr-2019

1989No01: E=172.5 MeV from the Julich isochronous cyclotron JULIC. Measured coincident spectra ($\theta(\alpha)$ =18°, -30°, -42°; $\theta(p)$ =29.6°-47.1°, 49.6°-67.1°) and singles spectra; E(p)> $\approx$ 20 MeV. The α particles detected by Δ E-E telescopes (Si,Ge(Li)); protons by Δ E- Δ E-E telescopes (Si,2 Ge(HP)). DWIA analysis. Observed excitations at 6 (L=0+2+3), 11, and 16 MeV. $J^\pi(^{51}\text{V g.s.})=7/2^-$.

⁵⁰Ti Levels

E(level)	L
0	
6 $\times$ 10 ³	0+2+3
11 $\times$ 10 ³	
16 $\times$ 10 ³	