

$^{50}\text{Ti}(^3\text{He,t})$ 1969Br04

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

1969Br04: $E(^3\text{He})=30.2$ MeV beam from the Saclay variable-energy cyclotron. Enriched target. Measured tritons, $\sigma(\theta(\text{c.m.})=10^\circ-70^\circ)$ using ΔE -E counter telescope (FWHM=80 keV). Deduced levels, J, π . DWBA analysis.

1975MaZH: measured $\sigma(\theta)$ at 25 MeV using magnetic spectrometer. DWBA analysis. Observed 34 states in ^{50}V below 4.9 MeV but did not provide any data details.

Others: determination of Coulomb displacement energy: [1966Sh02](#), [1967Ro09](#), [1971Be29](#).

 ^{50}V Levels

E(level)	J π^\dagger	σ (μb)	Comments
0	6 ⁺	46 16	
2.25×10^2			
3.4×10^2	2 ⁺	113 28	
4.0×10^2	1 ⁺	74 25	
7.8×10^2			
8.8×10^2	7 ⁺	147 26	
1.27×10^3	1 ⁺	108 20	
1.40×10^3			
4.81×10^3	0 ⁺	192 50	E(level): IAS(^{50}Ti g.s.).

† From empirical J dependence of $\sigma(\theta)$.