

$^{119}\text{Sn}(\text{}^3\text{He,t})$ 1995Ph01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. M. Symochko, E. Browne, J. K. Tuli		NDS 110,2945 (2009)	1-Dec-2008

1995Ph01: E=200 MeV, 89.8% enriched target (2.6 mg/cm² thick); mag spect, $\theta \approx 0^\circ$. Measured IAS, fragmentation of Gamow-Teller resonance and doorway states.

Other: 1976Be49 (E=45.9 MeV, 84.5% enriched target (335 $\mu\text{g}/\text{cm}^2$ thick); magnetic spectrograph).

 ^{119}Sb Levels

E(level)	Comments
0.0	
1730 [†] 30	
2320 [†] 30	
3280 [†] 30	
3440 [†] 30	
3620 [†] 30	
3630 [‡] 20	$\Gamma=1.2$ MeV 3.
3990 [†] 30	
4200 [†] 30	
4490 [†] 30	
5490 [‡] 20	$\Gamma=2.1$ MeV 3.
6880 [†] 30	
7200 [†] 30	
8090 [‡] 25	$\Gamma=2.9$ MeV 3.
12360 30	J^π : IAS of the $1/2^+$ g.s. in ^{119}Sn .
13710 [‡] 30	$\Gamma=5.7$ MeV 3.

[†] Doorway state with $\Delta L=1$ in ^{119}Sb .

[‡] Gamow-Teller resonance state.