

$^{118}\text{Sn}(t,d)$  1979Ch08

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

E=4.25-5.75 MeV; semi,  $\Delta E=30$  keV FWHM;  $\sigma(\theta)$  6 angles at  $120^\circ-160^\circ$ ; 95.8% enriched target ( $\approx 200 \mu\text{g}/\text{cm}^2$  thick); deduced rms radii of neutron orbits.

 $^{119}\text{Sn}$  Levels

E(level)	$J^\pi$ <sup>†</sup>	$T_{1/2}$	L	S	Comments
0	$1/2^+$		0	0.37	Rms radius=5.39 fm <i>I2</i> (local), 5.52 fm <i>I2</i> (non-local).
24	$3/2^+$		2	0.44	Rms radius=5.36 fm <i>I2</i> (local), 5.42 fm <i>I2</i> (non-local).
89	$11/2^-$	293 d <i>I</i>	5	0.85	$T_{1/2}$ : From Adopted Levels. Rms radius=5.46 fm <i>I2</i> (local), 5.44 fm <i>I2</i> (non-local).

<sup>†</sup> From Adopted Levels.