

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

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Mar-2009

E=12 MeV, polarized beam, FWHM=50-65 keV ([1975Vi06](#),[1975Vi07](#)).

E=15 MeV, FWHM=40-60 keV ([1967Sc12](#)).

E=50 MeV, deeply bound states ([1977Va15](#),[1974Va17](#)).

E=32.76 MeV, FWHM=20 keV ([1983Se12](#)).

Other: [1961Co03](#).

The data are from [1975Vi06](#), unless otherwise noted.

 ^{117}Sn Levels

E(level)	J^{π} ‡	L	C ² S	E(level)	J^{π} ‡	L	C ² S	E(level)	L
0	1/2 ⁺	0	1.31	1020	5/2 ⁺	2	3.11	1628 [†]	(4)
160	3/2 ⁺	2	1.70	1180	5/2 ⁺	2	1.68	1670 [†]	
310	11/2 ⁻	5	3.26	≈1500				5.33×10 ³ 6	4
710	7/2 ⁺	4	7.36	1589 [†]		5			

[†] Seen by [1983Se12](#).

[‡] Primarily from previous data but supported by vector analyzing power ([1975Vi06](#)).