

$^{119}\text{Sn}(\text{t,p})$ **1972Ca02**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111, 1619 (2010)	20-Jan-2009

E(t)=13 MeV, enriched target (^{119}Sn 89.8%). $J^\pi(^{119}\text{Sn} \text{ g.s.})=1/2^+$. Magnetic spectrograph, FWHM=15 keV, $p(\theta)$, $\theta=12^\circ-66^\circ$.
L-values were deduced from comparison of $p(\theta)$ with DWBA calculation and comparison with $^{120}\text{Sn}(\text{t,d})$ reaction; see $^{120}\text{Sn}(\text{t,d})$.

 ^{121}Sn Levels

E(level)	L	E(level)	L	E(level)	L	E(level)	L
0.0	2	1924 <i>10</i>		2415 <i>10</i>		2970 <i>15</i>	
60 2	0	1968 <i>10</i>	0	2437 <i>10</i>	(4)	3036 <i>15</i>	
869 5	2	1986 <i>10</i>		2513 <i>10</i>	(5)	3118 <i>15</i>	
911 5	2	2069 <i>10</i>	(2)	2596 <i>10</i>	(3,4)	3150 <i>15</i>	(3,4)
949 5		2115 [†] <i>10</i>	(2)	2674 <i>10</i>	3	3326 <i>15</i>	3
1100 5	2	2170 <i>10</i>	4	2700 <i>10</i>	3	3388 <i>15</i>	(4)
1121 5	2	2225 <i>10</i>	(3,4)	2768 <i>15</i>		3512 <i>15</i>	
1409 8		2290 <i>10</i>	2	2811 <i>15</i>	(3,4)	3532 <i>15</i>	(3,4)
1432 8		2330 <i>10</i>	5	2870 <i>15</i>		3599 <i>15</i>	
1876 <i>10</i>	5	2371 <i>10</i>	(3)	2927 <i>15</i>	(3,4)		

[†] Doublet.