

$^{112}\text{Sn}(^3\text{He,d})$ 1966Ba25,1968Co22

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 1471 (2010)	1-May-2009

E=18 MeV. $\sigma(\theta)$ with particle telescope, FWHM=70-110 keV, 1966Ba25, 1968Co22.
L-values and spectroscopic factors are from DWBA calculations.

 ^{113}Sb Levels

E(level) [†]	J^π [‡]	L	C^2S'	Comments
0	$5/2^+$	2	4.2	C^2S' : for $J^\pi=5/2^+$.
659 15	$1/2^+$	0	1.0	
829 15	$7/2^+$	4	7.5	
1045 30	$5/2^+$	2	2.3	
1390 50	$(11/2^-)$	(5)	4.8	L: both L=4 and L=5 fit the angular distribution. L=5 is assigned because of sum rule limit for L=4. C^2S' : $J^\pi=7/2^+$ gives $C^2S'=5.0$. C^2S' : $J^\pi=3/2^+$ gives $C^2S'=0.8$.
1590 40	$5/2^+$	2	0.6	

[†] Systematically 15-40 keV too high in comparison with the Adopted Levels.

[‡] Assumed for C^2S' .