^{123}Sb(t,α)   **1978Ba25**

	Type	Author	History Citation	Literature Cutoff Date
	Full Evaluation	T. Tamura	NDS 108, 455 (2007)	30-Sep-2006

$J^\pi(^{123}$Sb)=7/2$^+$.

E(t)=12 MeV; magnetic spectrograph FWHM=30 keV; θ=5°−175°; enriched target; deduced spectroscopic factor.

^{122}Sn Levels

E(level)‡	L$^\#$	C^{2}S$^{\dagger\#}$	E(level)‡	L$^\#$	C^{2}S$^{\dagger\#}$	E(level)‡	L$^\#$	C^{2}S$^{\dagger\#}$	E(level)‡	L$^\#$	C^{2}S$^{\dagger\#}$
0.0	4	0.49 *15*	3750 *10*	4	0.59 *18*	4040 *10*	1	0.26 *8*	4510 *10*	4	0.52 *16*
1140 *10*	4	0.36 *11*	3810 *10*	4	0.20 *6*	4120 *10*	1	0.13 *4*	4560 *10*	4	0.18 *5*
2140 *10*	(4)	0.15	3880 *10*			4220 *10*	1	0.56 *17*	4680 *10*	4	0.31 *9*
3580 *10*			3930 *10*	4	0.36 *11*	4360 *10*	1	0.06 *2*	4750 *10*	4	0.40 *12*
3680 *10*	(4)	0.19	3970 *10*	4	0.15 *5*	4470 *10*	4	0.31 *9*	4930 *10*	4	0.40 *12*

† Values are given for L=1 proton transfer by the assumption of 2p$_{1/2}$ orbit, for the p$_{3/2}$ orbit the values are 18% lower; for L=4 proton transfer, 1g$_{7/2}$ orbit was assumed for E(levels)≤3680, 1g$_{9/2}$ orbit was assumed for E(levels)≥3750 keV.

‡ From 1978Ba25.

$^\#$ From 1978Ba25.