^{112}Sn(pol d,t) 1982Ga17

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 110, 1239 (2009)	1-Feb-2008

1982Ga17: ^{112}Sn(pol d,t) E=40 MeV. FWHM=60 keV.
Polarized deuteron beam, enriched target 83% outgoing tritons analyzed by QSD mag spect. DWBA analysis.

^{111}Sn Levels

E(level)[@]	Jπ[‡]	L[†]	C²S[‡]	E(level)[@]	Jπ[‡]	L[†]	C²S[‡]
0.0	7/2+	4	5.8	1732 *20*	1/2+	0	0.03
155 *10*	5/2+	2	3.8	1825 *20*	7/2+	4	0.30
253 *20*	1/2+	0	0.35	2023 *10*	3/2+	2	0.10
644 *10*	3/2+	2	0.67	2150 *10*	1/2−	1	0.21
753 *20*	5/2+	2	0.10	2320[#] *20*	5/2+,7/2+	2+4	0.05+0.17
980 *10*	11/2−	5	0.84	2470[#] *20*	5/2+,7/2+	2+4	0.075+0.24
1100 *10*	1/2+	0	0.12	2750[#] *20*			
1306 *10*	5/2+	2	0.21	2850[#] *20*			
1482 *20*	9/2+	4	0.5	3050[#] *20*		4	
1600 *10*	5/2+	2	0.12	3270[#] *20*	9/2+,1/2−	4+1	0.14+0.03

[†] From angular distributions compared with characteristic shapes.
[‡] From 1982Ga17 based on $\gamma(\theta)$ and analyzing power measurements.
[#] Complex peak.
[@] Uncertainties are 10 keV for strong levels below 2500, and≈20 for weaker ones below 2500 and for complex groups above 2300.