^{124}Sn(^{3}He,d) 1968Au01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	J. Katakura	NDS 112, 495 (2011)	1-Jan-2010

1968Au01: E=24.9 MeV, magnetic spectrograph, FWHM≈60 keV, enriched target 98-99%, deduced L, C^2S.
1968Co22: E=18 MeV, semi, FWHM=70-110 keV, enriched target 96% deduced L, C^2S'.
1982Ma04: E=89.8 MeV, magnetic spectrogram. FWHM=45 keV, enriched target 97.0%, deduced C^2S from DWBA calc.

^{125}Sb Levels

E(level)[†]	L[‡]	C^2S[#]	Comments
0.0	4	0.79	
332 *5*	2	1.01	
643 *5*	2	0.29	
923 *5*	0	0.35	
1483 *5*	2	0.15,0.08	
1560 *5*			
1660 *20*			
1720 *20*	2	0.30,0.17	
1800 *20*	0	0.03	
1880 *20*	(5)	1.20	L=5, S=0.75 (1968Co22).
1950 *20*	2	0.14,0.08	
2480 *20*			
2570 *20*	0	0.18	
2670 *20*	0	0.13	
2710 *20*	0	0.10	
2780 *20*			
2820 *20*			
2890 *20*	2	0.15,0.09	

[†] From 1968Au01.
[‡] Assignments for L=0, 4, and 5 are s1/2, g7/2, and h11/2, respectively, from shell model; L=2 states are assigned as d3/2 or d5/2.
[#] From DWBA calculation (1968Au01).