^{124}Sn(p,t) 1983Ma22,1970Fl08,1979Ku17

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

1983Ma22: E=35-65 MeV; magnetic spectrograph FWHM=13-18 keV; θ=5°−75°; enriched target, deduced L, enhancement factors for assumed configuration for 35, 45, 55, 65 MeV.
1970Fl08: E=20 MeV; magnetic spectrograph FWHM=25 keV; θ=8°−57°; enriched target.
1979Ku17: E=54.9 MeV; magnetic spectrograph FWHM=30 keV; θ=10°−50°; enriched target.
Other: 1972Ho06 (E=20 MeV).

^{122}Sn Levels

E(level)[†]	L[#]	Enhancement factor[@]	Comments
0.0	0		
1141	2		
2089 *5*	0		
2146 *5*	4		Enhancement factor: 6.11 if $\pi h_{11/2}$-$\nu h_{11/2}$, 0.62 if $\pi g_{7/2}$-$\nu d_{3/2}$.
2252 *5*	5	0.51	Enhancement factor: configuration assumed $\pi h_{11/2}$-$\nu s_{1/2}$.
2337 *5*	4		Enhancement factor: 0.77 if $\pi g_{7/2}$-$\nu d_{3/2}$, 0.25 if $\pi d_{5/2}$-$\nu d_{3/2}$.
2417 *5*	7	0.64	Enhancement factor: configuration assumed $\pi h_{11/2}$-$\nu d_{3/2}$.
2499 *5*	3	0.81	Enhancement factor: configuration assumed $\pi h_{11/2}$-$\nu d_{5/2}$.
2560 *5*	6	1.98	
2657[‡] *10*			
2679[‡] *10*	0		
2695 *10*	8	0.79	Enhancement factor: configuration assumed $\pi h_{11/2}$-$\nu h_{11/2}$.
2752 *10*	5,6		E(level): unresolved states correspond to 2750 and 2780 levels in (p,p′).
2775 *10*	10	0.57	Enhancement factor: configuration assumed $\pi h_{11/2}$-$\nu h_{11/2}$.
3710[&]	9		

[†] From 1983Ma22, unless otherwise noted.
[‡] 1970Fl08 report E=2670 level with L=0 character, but L=(4^+) cannot be excluded. E=2670 probably corresponds to 2657 and 2679 in 1983Ma22.
[#] From DWBA analysis (1983Ma22). Others: 1970Fl08, 1979Ku17.
[@] Enhancement factor at E(p)=45 MeV (1983Ma22).
[&] From 1979Ku17. No uncertainty was given by authors.