

$^{122}\text{Sn}(\text{d,d}')(\alpha,\alpha')$ [1966Ki04,1970Br07](#)

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

(d,d'): [1966Ki04](#): E(d)=15 MeV; magnetic spectrograph FWHM=40-50 keV; $\sigma(\theta)$.

(α,α'): [1970Br07](#): E(α)=44 MeV; semi counter telescope, α spectra; FWHM=350 keV; $\theta=30^\circ-100^\circ$; Austern-Blair analysis; enriched target. Other: [1966Ba11](#).

 ^{122}Sn Levels

<u>E(level)</u>	<u>L[#]</u>	<u>Comments</u>
0.0		
1150 [†]	2	E(level): 1140 in (α,α'). $\beta_2=0.11$ 2 (1970Br07).
2150 [†]		
2250 [†]		
2340 [†]		
2420 [†]		
2500 [†]	3	E(level): 2470 in (α,α'). $\beta_3=0.10$ 2 (1970Br07).
3150 [†]		
3260 [†]		
3330 [†]		E(level): 3400 (possibly 3330+3490) in (α,α').
3490 [†]		
3560 [†]		
3710 [†]		
3850 [†]		
3920 [†]		E(level): 3900 in (α,α').
4800 [‡]	(3)	Complex level consists of 4800(3 ⁻), 5000 and 5300(3).
5000 [‡]		
5300 [‡]	(3)	

[†] From (d,d') ([1966Ki04](#)).

[‡] From (α,α') ([1970Br07](#)).

[#] From (α,α') ([1970Br07](#)).