^{117}Sn(d,t),(^{3}He,α) 1988ScZU,1967Sc12

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 717 (2010)	1-Dec-2009

$J^{\pi}(^{117}Sn)=1/2^{+}$.
E(d),E(^{3}He)=50 MeV, DWBA (1990Sc12,1988ScZU), measured spectroscopic strengths.
E(d)=15 MeV, mag spect, DWBA (1967Sc12).

^{116}Sn Levels

E(level)[†]	L[†]	E(level)[†]	L[†]	E(level)[†]	L[†]	E(level)[†]	L[†]
0	0	2529	4	3046	4	3589	2
1294	2	2545	0	3096	4	3618	2
1757	0	2587	2	3180	4	3709	2+4
2027	0	2650	2	3228	2	3739	2
2112	2	2773	5	3315	4	3772	2
2225	2	2801	4	3371[‡]	2	3950	2
2266	3	2843	2	3416	2+4[#]	4037	2
2366	5	2960	2(+0)	3470	2	4084	2
2390	4	2997	2+4	3513	2		

[†] From (d,t) of 1990Sc12.
[‡] From 1990Sc12, but as 3380 by 1992Sc20, but certainly the same level.
[#] L=4 is inconsistent with adopted $J^{\pi}=2^{+}$. However, the evaluators note that the fit seems good for L=2 alone.