

$^{116}\text{Sn}(\alpha, \alpha')$

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

E=34.4 MeV ([1968Ku20](#)), FWHM $\approx$ 190 keV.

E=65 MeV ([1969Bi03](#)), semi FWHM $\approx$ 110 keV.

E=115 MeV ([1978Mo10](#)), (E)(ΔE), mag spect, studied octupole resonance.

DWBA analysis.

Others: [1970Br07](#), [1966Ba11](#).

 ^{116}Sn Levels

<u>E(level)[†]</u>	<u>L[#]</u>	<u>$\beta_L^{\ddagger}$</u>	<u>Comments</u>
0.0			
1290	2	0.109 <i>10</i>	
2280	3	0.123 <i>10</i>	
2810	4	0.056 <i>20</i>	E(level): authors' value of 2970 is probably a misprint. Using the known 2^+ and 3^- states, the evaluators recalculate the energy to be 2810. Note that 1968Ku20 report 2870.

[†] From [1969Bi03](#).

[‡] Extracted by [1968Ku20](#) from σ ratio exp/DWBA. Other: [1969Bi03](#).

[#] From angular distribution, compared with DWBA ([1968Ku20](#), [1969Bi03](#)).