

$^{118}\text{Sn}(^3\text{He},\alpha)$ 

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Jean Blachot	ENSDF	1-Mar-2009

E=81 MeV ([1977Se01](#)); E=205 MeV ([1975Ge09,1978Va05](#)).

E=59.7, 82.1 MeV FWHM=74 keV ([1983Se12](#)).

The data are from [1975Ge09](#), unless otherwise noted.

 $^{117}\text{Sn}$  Levels

E(level)	$J^{\pi\dagger}$	L	C <sup>2</sup> S	Comments
0				
160 <sup>†</sup>				
319 <sup>†</sup>				
714 <sup>†</sup>				
1021 <sup>†</sup>				
1181 <sup>†</sup>				
1443 <sup>†</sup>				
1588 <sup>†</sup>		5		
2000 <sup>†</sup>				
2310 <sup>†</sup>				
$\approx 3.7 \times 10^3$	9/2 <sup>+</sup>	4	0.2	
$\approx 5.3 \times 10^3$	9/2 <sup>+</sup>	4	3.5	
$> 6.4 \times 10^3$	(9/2 <sup>+</sup> )	(4)	3.3	E(level): includes region from 6.4-12 MeV.
$\approx 14.2 \times 10^3$	9/2 <sup>+</sup>	4	0.45	E(level): proposed IAS.

<sup>†</sup> From [1983Se12](#).

<sup>‡</sup> Assumed for DWBA analysis.