

$^{147}\text{Sm}(\text{d,d}')$ 1967Ve04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica and B. Singh	NDS 181, 1 (2022)	9-Mar-2022

E=12 MeV. FWHM \approx 4 keV for states close to the ground state, \leq 10 keV for high lying states.

 ^{147}Sm Levels

π is derived from the shape of the angular distribution, which is dependent on excitation multipolarity 2 ($\pi=+$) or 3 ($\pi=-$).

<u>E(level)</u>	<u>J^π</u>	<u>E(level)</u>	<u>J^π</u>	<u>E(level)</u>	<u>J^π</u>	<u>E(level)</u>	<u>J^π</u>
0.0		1066	(+)	1601		1919	(+)
121	(-)	1109	(-)	1718	(+)	1946	
197	(-)	1170	(-)	1730	(+)	1975	(+)
718	(-)	1174	(-)	1761	(+)	2055	
800	(-)	1221		1776	(+)	2064	
810	(+) [†]	1320	(-)	1803		2265	(+)
931	(+)	1348	(-)	1845	(+)	2374	
1031	(+)	1434	(-)	1868		2555	
1054	(+)	1454		1899		2595	

[†] Value discrepant to adopted π (see Adopted Levels).