
 $^{138}\text{La}(\text{n},\gamma),(\text{n},\text{n}):$ resonances [2006MuZX](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	P. K. Joshi, B. Singh, S. Singh, A. K. Jain		NDS 138, 1 (2016)	15-Oct-2016

$J^\pi(^{138}\text{La g.s.})=5^+$.

g=statistical weight factor.

S(n)(^{139}La)=8778.0 26 ([2012Wa38](#)).

 ^{139}La Levels

E(level)	J^π	L	$2g\Gamma_n$ eV	Comments
8758.1?	(11/2)	0		E(level): fictitious level.
8781.0 1		[0]	0.00130 5	$\Gamma_\gamma=(0.095)$ eV. E(n) _{Lab} =-20 keV.
8798.9 1		[0]	0.0042 2	$\Gamma_\gamma=0.095$ eV 6. E(n) _{Lab} =2.99 keV.
8844.6 3		[0]	0.016 1	E(n) _{Lab} =21 keV.
8867.5 4		[0]	0.019 1	E(n) _{Lab} =67.1 keV.
8908.5 7		[0]	0.053 3	E(n) _{Lab} =90.2 keV.
8996.4 1		[0]	0.140 15	E(n) _{Lab} =131.5 keV.
9016.3 2		[0]	0.31 3	E(n) _{Lab} =220 keV.
9037.1 2		[0]	0.36 4	E(n) _{Lab} =240 keV.
9082.7 3		[0]	0.63 5	E(n) _{Lab} =261 keV.
9131.4 3		[0]	0.23 4	E(n) _{Lab} =307 keV.
				E(n) _{Lab} =356 keV.