^{107}Ag(n,γ) E=16.3 eV 1985Ma54

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

J^π(16.3 eV resonance)=0^-.

^{108}Ag Levels

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
0	1^+	1051.1 *4*	(1^+)	1278.5 *8*	1#	1462.3 *6*	1#
193.1 *4*	1^+	1111.9 *6*	1^+	1314.2 *7*	1#	7269.62 *10*	0^-
378.1 *4*	1^-	1144.7 *5*	1^+	1356.1 *8*	1#		
678.0 *7*	1^-	1232.2 *4*	1#	1422.5 *6*	1#		

† From S(n)+E(res)-(Eγ+E(recoil)) with S(n)= 7269.6 *6*.
‡ From Adopted Levels.
# From this dataset based on feeding by primary from 0^- resonance.

γ(^{108}Ag)

E_γ†	I_γ‡#	E_i(level)	J_i^π	E_f	J_f^π	E_γ†	I_γ‡#	E_i(level)	J_i^π	E_f	J_f^π
5807.0 *6*	0.32 *3*	7269.62	0^-	1462.3	1	6157.4 *6*	0.25 *3*	7269.62	0^-	1111.9	1^+
5846.8 *6*	0.96 *10*	7269.62	0^-	1422.5	1	6218.2 *4*	0.26 *3*	7269.62	0^-	1051.1	(1^+)
5913.2 *8*	0.22 *3*	7269.62	0^-	1356.1	1	6591.3 *7*	0.16 *2*	7269.62	0^-	678.0	1^-
5955.1 *7*	0.13 *2*	7269.62	0^-	1314.2	1	6891.2 *4*	0.41 *4*	7269.62	0^-	378.1	1^-
5990.8 *8*	0.10 *2*	7269.62	0^-	1278.5	1	7076.2 *4*	0.62 *6*	7269.62	0^-	193.1	1^+
6037.1 *4*	2.4 *2*	7269.62	0^-	1232.2	1	7269.3	0.42 *4*	7269.62	0^-	0	1^+
6124.6 *5*	0.30 *4*	7269.62	0^-	1144.7	1^+						

† Normalized to Eγ(g.s.)=S(n)+E(res)−E(recoil)= 7269.3 *6*. The uncertainty in this calibration value is not included in the listed Eγ values.
‡ Photons per 100 neutron captures.
# Intensity per 100 neutron captures.

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Level Scheme

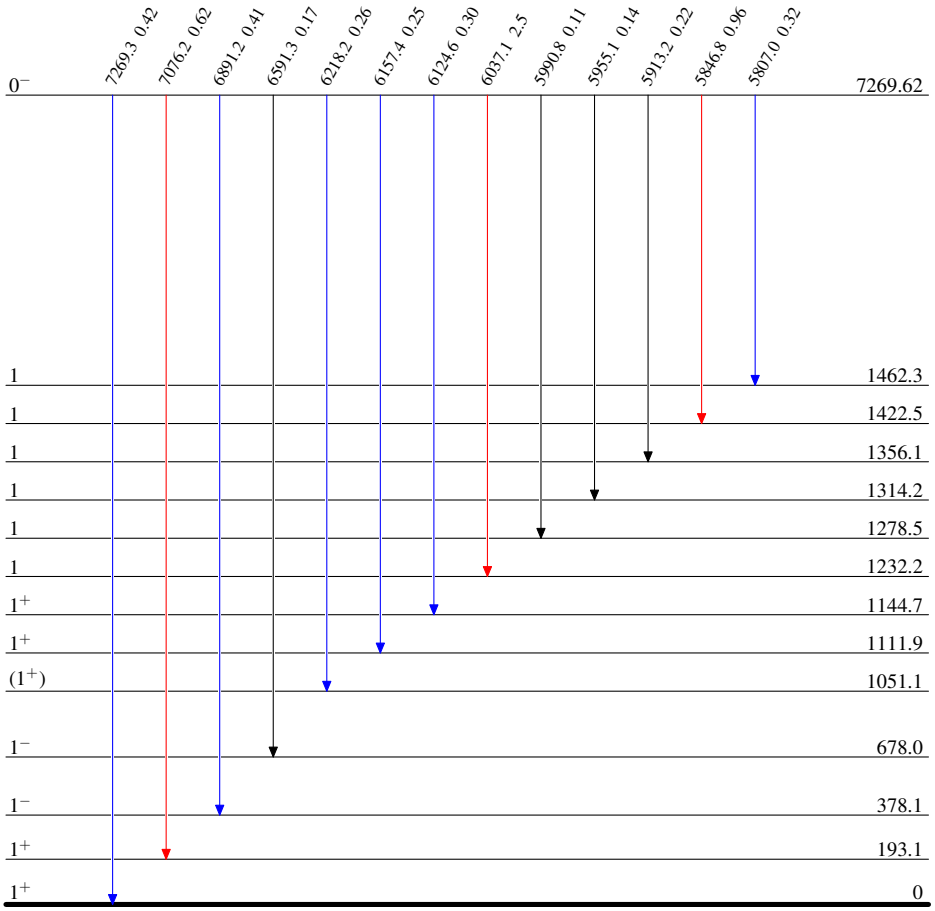
Intensities: I_γ per 100 neutron captures

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$



$^{108}_{47}Ag_{61}$