

¹⁹¹Ir(n,γ) E=res **2006MuZX**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 1871 (2012)	15-Jun-2012

J^π(¹⁹¹Ir)=3/2⁺.

All resonance-property data have been taken from the evaluation by [2006MuZX](#).

¹⁹²Ir Levels

E(level) [†]	J ^π	L	E(res)(lab)	Comments
6198.13065	2	0	0.000653 5	Γ _γ =0.0722 eV 5, 2gΓ _n =0.000550 eV 3.
6198.13533 1	2	0	0.005360 9	Γ _γ =0.082 eV 2, 2gΓ _n =0.0068 eV 2.
6198.13609 1	1	0	0.006119 9	Γ _γ =0.083 eV 11, 2gΓ _n =0.00053 eV 3.
6198.13902 8	2	0	0.00907 8	2gΓ _n =0.00390 eV 16.
6198.13984 10	1	0	0.009894 10	2gΓ _n =0.00075 eV 2.
6198.14034 1	1	0	0.01039 1	Γ _γ =0.120 eV 5, 2gΓ _n =0.00027 eV 2.
6198.14912 1		0	0.01922 1	Γ _γ =0.072 eV 1, 2gΓ _n =0.0033 eV 1.
6198.15407 2		0	0.02420 2	2gΓ _n =0.00058 eV 2.
6198.15506 2		0	0.02519 2	2gΓ _n =0.0114 eV 12.
6198.15676 2		0	0.02690 2	2gΓ _n =0.00012 eV 2.
6198.15970 3	1	0	0.02986 3	Γ _γ =0.080 eV 4, 2gΓ _n =0.021 eV 1.
6198.16143 3	1	0	0.03159 3	Γ _γ =0.079 eV 4, 2gΓ _n =0.0062 eV 4.
6198.16629 4	1	0	0.03648 4	Γ _γ =0.082 eV 4, 2gΓ _n =0.00512 eV 16.
6198.17016 4		0	0.04037 4	Γ _γ =0.083 eV 11, 2gΓ _n =0.00658 eV 20.
6198.17119 4		0	0.04141 4	2gΓ _n =0.0013 eV 2.
6198.17433 5		0	0.04456 5	Γ _γ =0.066 eV 17, 2gΓ _n =0.0011 eV 3.
6198.17532 6		0	0.04556 6	Γ _γ =0.108 eV 16, 2gΓ _n =0.0029 eV 2.
6198.18068 7	1	0	0.05094 7	Γ _γ =0.076 eV 7, 2gΓ _n =0.0485 eV 17.
6198.18247 8		0	0.05274 8	2gΓ _n =0.0086 eV 7.
6198.18641 9		0	0.05670 9	Γ _γ =0.104 eV 22, 2gΓ _n =0.0023 eV 2.
6198.19249 10		0	0.06282 10	Γ _γ =0.095 eV 12, 2gΓ _n =0.0064 eV 4.
6198.19450 10		0	0.06484 10	Γ _γ =0.087 eV 12, 2gΓ _n =0.0084 eV 4.
6198.1954 1		0	0.0657 1	Γ _γ =0.071 eV 10, 2gΓ _n =0.0089 eV 8.
6198.1976 1		0	0.0680 1	Γ _γ =0.072 eV 20, 2gΓ _n =0.0104 eV 8.
6198.2062 1		0	0.0766 1	Γ _γ =0.088 eV 23, 2gΓ _n =0.0078 eV 8.
6198.2084 1		0	0.0788 1	Γ _γ =0.113 eV 20, 2gΓ _n =0.0182 eV 10.
6198.2102 1		0	0.0806 1	2gΓ _n =0.0108 eV 10.
6198.2115 2		0	0.0819 2	2gΓ _n =0.0030 eV 7.
6198.2169 1		0	0.0874 1	2gΓ _n =0.0142 eV 18.
6198.2271 1		0	0.0976 1	2gΓ _n =0.029 eV 6.
6198.2294 1		0	0.0999 1	2gΓ _n =0.012 eV 3.
6198.2331 1		0	0.1036 1	2gΓ _n =0.024 eV 5.
6198.2343 2		0	0.1048 2	2gΓ _n =0.022 eV 6.
6198.2358 2		0	0.1064 2	2gΓ _n =0.0022 eV 6.
6198.2437 2		0	0.1143 2	2gΓ _n =0.0086 eV 22.
6198.2461 2		0	0.1167 2	2gΓ _n =0.0078 eV 20.
6198.2563 3		0	0.1270 3	2gΓ _n =0.0054 eV 19.
6198.2574 2		0	0.1281 2	2gΓ _n =0.0076 eV 20.
6198.2592 2		0	0.1299 2	2gΓ _n =0.015 eV 3.
6198.2635 2		0	0.1342 2	2gΓ _n =0.020 eV 5.
6198.2669 2		0	0.1376 2	2gΓ _n =0.012 eV 3.
6198.2722 4		0	0.1429 4	2gΓ _n =0.016 eV 7.
6198.2769 2		0	0.1477 2	2gΓ _n ≥0.080 eV.
6198.2810 4		0	0.1518 4	2gΓ _n =0.008 eV 4.
6198.2854 4		0	0.1562 4	2gΓ _n ≥0.080 eV.
6198.2907 2		0	0.1615 2	2gΓ _n ≥0.080 eV.
6198.2927 2			0.1636 2	
6198.2943 5			0.1652 5	

Continued on next page (footnotes at end of table)

$^{191}\text{Ir}(n,\gamma)$ E=res **2006MuZX** (continued) ^{192}Ir Levels (continued)

<u>E(level)[†]</u>	<u>E(res)(lab)</u>	<u>E(level)[†]</u>	<u>E(res)(lab)</u>	<u>E(level)[†]</u>	<u>E(res)(lab)</u>
6198.2955 3	0.1664 3	6198.3237 3	0.1947 3	6198.3430 4	0.2141 4
6198.2984 3	0.1693 3	6198.3289 3	0.1999 3	6198.3465 4	0.2176 4
6198.3001 3	0.1710 3	6198.3349 3	0.2060 3	6198.3518 7	0.2230 7
6198.3078 3	0.1787 3	6198.3375 4	0.2086 4	6198.3540 4	0.2252 4
6198.3153 3	0.1863 3	6198.3396 4	0.2107 4		

[†] From S(n)+E(n)(c.m.), where S(n)(^{192}Ir)=6198.13 11 ([2011AuZZ](#)) and resonance E(n)(c.m.)=(191/192)E(n)(lab). note that a systematic uncertainty of 0.11 keV arising from the adopted S(n) value needs to be combined in quadrature with the uncertainties shown here.