

$^{182}\text{W}(\text{n},\gamma)$ E=res **1969MuZQ**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 134, 149 (2016)	15-Apr-2015

All resonance-property data have been taken from the evaluation by **2006MuZX**. see also the (n, γ) E=4.1 eV dataset for detailed γ -ray information from that resonance.

1969MuZQ: natural W target; Ge detector; measured primary E_γ , I_γ for six resonances; E(n) from time of flight.

 ^{183}W Levels

E(level) [†]	$J\pi^{\ddagger}$	L	E(res)(lab)	Comments
0				
45				
207				
532				
870				
932				
960				
1026				
1292				
1471				
1557				
1633				
1671				
1727				
1799				
1837				
1865				
1886				
1917				
1944				
1979				
1993				
2096				
2127				
2176				
2324				
6190.81413 1	1/2 ⁺	0	4.155×10 ⁻³ 5	$\Gamma_\gamma=0.0495$ eV 2, $g\Gamma_n=0.001545$ eV 3. see (n, γ) E=4.1 eV dataset for detailed primary and secondary transition information from this resonance.
6190.86094 3	1/2 ⁺	0	0.02106 3	$\Gamma_\gamma=0.0483$ eV 6, $g\Gamma_n=0.0410$ eV 2. J^π : s-wave capture by 0 ⁺ target.
6190.9238 1	1/2 ⁺	0	0.1144 1	$\Gamma_\gamma=0.060$ eV 3, $g\Gamma_n=0.270$ eV 10.
6191.0216 2	1/2 ⁺	0	0.2128 2	$g\Gamma_n=0.0026$ eV 3.
6191.0566 2	1/2 ⁺	0	0.2480 2	$\Gamma_\gamma=0.064$ eV 6, $g\Gamma_n=0.96$ eV 6.
6191.1497 4	1/2 ⁺	0	0.3416 4	$g\Gamma_n=0.0057$ eV 10.
6191.1841 4	1/2 ⁺	0	0.3762 4	$\Gamma_\gamma=0.063$ eV 13, $g\Gamma_n=0.140$ eV 20.
6191.2362 3	1/2 ⁺	0	0.4285 3	$\Gamma_\gamma=0.055$ eV 7, $g\Gamma_n=0.260$ eV 25.
6191.2916 3	1/2 ⁺	0	0.4842 3	$\Gamma_\gamma=0.049$ eV 7, $g\Gamma_n=0.46$ eV 4.
6191.3850 4	1/2 ⁺	0	0.5782 4	$\Gamma_\gamma=0.058$ eV 7, $g\Gamma_n=0.270$ eV 25.
6191.4616 5	1/2 ⁺	0	0.6552 5	$\Gamma_\gamma=0.059$ eV 7, $g\Gamma_n=0.140$ eV 20.
6191.4923 6	1/2 ⁺	0	0.6860 6	$g\Gamma_n=0.0032$ eV 3.
6191.5653 6	1/2 ⁺	0	0.7594 4	$\Gamma_\gamma=0.057$ eV 27, $g\Gamma_n=0.096$ eV 19.
6191.5874 6	1/2 ⁺	0	0.7817 6	$g\Gamma_n=0.009$ eV 3.
6191.6681 3	1/2 ⁺	0	0.8628 3	$g\Gamma_n=0.023$ eV 4.
6191.7238 4	1/2 ⁺	0	0.9188 4	$\Gamma_\gamma=0.078$ eV 12, $g\Gamma_n=0.35$ eV 4.
6191.7521 4	1/2 ⁺	0	0.9473 4	$\Gamma_\gamma=0.077$ eV 8, $g\Gamma_n=2.00$ eV 20.

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$^{182}\text{W}(\text{n},\gamma)$ E=res **1969MuZQ** (continued) ^{183}W Levels (continued)

E(level) [†]	J ^π [‡]	L	E(res)(lab)	Comments
6191.8115 4	1/2 ⁺	0	1.0070 4	$\Gamma_\gamma=0.070$ eV 11, $g\Gamma_n=0.51$ eV 5.
6191.8403 11		[1]	1.0360 11	$g\Gamma_n=0.0031$ eV 5.
6191.8642 12		[0]	1.0600 12	$g\Gamma_n=0.0045$ eV 6.
6191.8991 5	1/2 ⁺	0	1.0951 5	$\Gamma_\gamma=0.069$ eV 8, $g\Gamma_n=1.50$ eV 20.
6191.9647 6	1/2 ⁺	0	1.1610 6	$\Gamma_\gamma=0.052$ eV 8, $g\Gamma_n=0.484$ eV 25.
6192.0779 6	1/2 ⁺	0	1.2749 6	$g\Gamma_n=0.039$ eV 6.
6192.0901 7	1/2 ⁺	0	1.2871 7	$\Gamma_\gamma=0.084$ eV 12, $g\Gamma_n=0.090$ eV 20.
6192.1288 7	1/2 ⁺	0	1.3260 7	$\Gamma_\gamma=0.075$ eV 9, $g\Gamma_n=0.025$ eV 8.
6192.2101 7	1/2 ⁺	0	1.4078 7	$\Gamma_\gamma=0.080$ eV 20, $g\Gamma_n=0.13$ eV 3.
6192.3038 8	1/2 ⁺	0	1.5020 8	$\Gamma_\gamma=0.070$ eV 10, $g\Gamma_n=0.44$ eV 3.
6192.3157 8	1/2 ⁺	0	1.5140 8	$\Gamma_\gamma=0.070$ eV 10, $g\Gamma_n=0.44$ eV 6.
6192.3834 9	1/2 ⁺	0	1.5820 9	$\Gamma_\gamma=0.050$ eV 10, $g\Gamma_n=0.078$ eV 15.
6192.4558 9	1/2 ⁺	0	1.6459 9	$\Gamma_\gamma=0.080$ eV 10, $g\Gamma_n=0.062$ eV 15.
6192.5573 5	1/2 ⁺	0	1.7720 5	$\Gamma_\gamma=0.060$ eV 6, $g\Gamma_n=3.00$ eV 25.
6192.5933 5	1/2 ⁺	0	1.7931 5	$g\Gamma_n=0.25$ eV 4.
6192.7204 20	1/2 ⁺	0	1.9209 20	$g\Gamma_n=0.060$ eV 10.
6192.8051 6	1/2 ⁺	0	2.0061 6	$\Gamma_\gamma=0.095$ eV 8, $g\Gamma_n=1.43$ eV 13.
6192.8597 7	1/2 ⁺	0	2.0610 7	$\Gamma_\gamma=0.090$ eV 8, $g\Gamma_n=1.40$ eV 15.
6192.9024 7	1/2 ⁺	0	2.1039 7	$g\Gamma_n=0.316$ eV 25.
6192.9780 7	1/2 ⁺	0	2.1799 7	$\Gamma_\gamma=0.051$ eV 5, $g\Gamma_n=0.63$ eV 5.
6193.0237 7	1/2 ⁺	0	2.2259 7	$\Gamma_\gamma=0.091$ eV 9, $g\Gamma_n=0.80$ eV 9.
6193.1255 8	1/2 ⁺	0	2.3282 8	$\Gamma_\gamma=0.090$ eV 7, $g\Gamma_n=0.56$ eV 6.
6193.1812 8	1/2 ⁺	0	2.3842 8	$\Gamma_\gamma=0.049$ eV 6, $g\Gamma_n=0.87$ eV 10.
6193.2087 8	1/2 ⁺	0	2.4119 8	$g\Gamma_n=0.213$ eV 30.
6193.3262 9	1/2 ⁺	0	2.5300 9	$g\Gamma_n=0.225$ eV 30.
6193.3719 9	1/2 ⁺	0	2.5760 9	$g\Gamma_n=0.90$ eV 10.
6193.4028 9	1/2 ⁺	0	2.6070 9	$g\Gamma_n=0.21$ eV 3.
6193.504 3		[1]	2.709 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0041$ eV 4, $g\Gamma_n=0.0044$ eV 4.
6193.519 3		[1]	2.724 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0104$ eV 6, $g\Gamma_n=0.129$ eV 10.
6193.532 3		[1]	2.737 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0032$ eV 4, $g\Gamma_n=0.0034$ eV 4.
6193.546 3		[1]	2.751 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0014$ eV 3, $g\Gamma_n=0.0014$ eV 3.
6193.586 3	1/2 ⁺	0	2.791 3	$g\Gamma_n=2.90$ eV 12.
6193.660 3		[1]	2.866 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0037$ eV 5, $g\Gamma_n=0.0040$ eV 5.
6193.666 3	1/2 ⁺	0	2.872 3	$\Gamma_\gamma=0.057$ eV 3, $g\Gamma_n=0.25$ eV 4.
6193.698 3		[1]	2.904 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0021$ eV 4, $g\Gamma_n=0.0022$ eV 4.
6193.736 3	1/2 ⁺	0	2.942 3	$\Gamma_\gamma=0.0520$ eV 21, $g\Gamma_n=0.30$ eV 4.
6193.784 3		[1]	2.990 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0131$ eV 7, $g\Gamma_n=0.0173$ eV 20.
6193.842 3	1/2 ⁺	0	3.049 3	$\Gamma_\gamma=0.066$ eV 3, $g\Gamma_n=1.45$ eV 6.
6193.878 3		[1]	3.085 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0007$ eV 4, $g\Gamma_n=0.0007$ eV 4.
6193.913 3	1/2 ⁺	0	3.120 3	$\Gamma_\gamma=0.057$ eV 5, $g\Gamma_n=0.165$ eV 30.
6193.926 3		[1]	3.133 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0049$ eV 5, $g\Gamma_n=0.0054$ eV 6.
6193.949 3		[1]	3.156 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0062$ eV 5, $g\Gamma_n=0.0070$ eV 6.
6193.996 3	1/2 ⁺	0	3.204 3	$\Gamma_\gamma=0.0525$ eV 20, $g\Gamma_n=0.29$ eV 3.
6194.012 3		[1]	3.220 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0054$ eV 5, $g\Gamma_n=0.0060$ eV 6.
6194.028 3		[1]	3.236 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0036$ eV 5, $g\Gamma_n=0.0039$ eV 5.
6194.050 3	1/2 ⁺	0	3.258 3	$\Gamma_\gamma=0.0532$ eV 16, $g\Gamma_n=0.60$ eV 8.
6194.086 3		[1]	3.294 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0095$ eV 6, $g\Gamma_n=0.0115$ eV 9.
6194.099 3	1/2 ⁺	0	3.307 3	$\Gamma_\gamma=0.0592$ eV 23, $g\Gamma_n=1.55$ eV 7.
6194.122 3		[1]	3.330 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0026$ eV 4, $g\Gamma_n=0.0027$ eV 4.
6194.136 3	1/2 ⁺	0	3.344 3	$\Gamma_\gamma=0.047$ eV 4, $g\Gamma_n=0.17$ eV 3.
6194.205 3	1/2 ⁺	0	3.414 3	$\Gamma_\gamma=0.0522$ eV 24, $g\Gamma_n=2.62$ eV 30.
6194.224 3		[1]	3.433 3	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0115$ eV 6, $g\Gamma_n=0.0146$ eV 10.
6194.286 3	1/2 ⁺	0	3.495 3	$\Gamma_\gamma=0.050$ eV 3, $g\Gamma_n=1.70$ eV 9.
6194.315 4	1/2 ⁺	0	3.524 4	$\Gamma_\gamma=0.0553$ eV 18, $g\Gamma_n=0.51$ eV 6.
6194.356 4	1/2 ⁺	0	3.565 4	$\Gamma_\gamma=0.0525$ eV 17, $g\Gamma_n=0.43$ eV 4.
6194.394 4	1/2 ⁺	0	3.604 4	$\Gamma_\gamma=0.0649$ eV 25, $g\Gamma_n=1.24$ eV 5.

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$^{182}\text{W}(\text{n},\gamma) \text{E=res}$ **1969MuZQ** (continued) ^{183}W Levels (continued)

E(level) [†]	J ^π [‡]	L	E(res)(lab)	Comments
6194.468 4		[1]	3.678 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0013$ eV 4, $g\Gamma_n=0.0013$ eV 4.
6194.510 4	1/2 ⁺	0	3.720 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0247$ eV 8, $g\Gamma_n=0.046$ eV 8.
6194.545 4		[1]	3.756 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0061$ eV 5, $g\Gamma_n=0.0069$ eV 6.
6194.577 4	1/2 ⁺	0	3.788 4	$\Gamma_\gamma=0.0752$ eV 20, $g\Gamma_n=0.095$ eV 20.
6194.595 4		[1]	3.806 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0080$ eV 5, $g\Gamma_n=0.0094$ eV 7.
6194.625 4		[1]	3.836 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0064$ eV 6, $g\Gamma_n=0.0073$ eV 7.
6194.637 4	1/2 ⁺	0	3.848 4	$\Gamma_\gamma=0.073$ eV 3, $g\Gamma_n=4.62$ eV 19.
6194.648 4		[1]	3.859 4	$\Gamma_\gamma=0.0727$ eV 24, $g\Gamma_n=0.0023$ eV 7. $g\Gamma_n\Gamma_\gamma/\Gamma=0.0022$ eV 7.
6194.670 4	1/2 ⁺	0	3.881 4	$g\Gamma_n=1.94$ eV 7.
6194.684 4		[1]	3.895 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0027$ eV 6, $g\Gamma_n=0.0028$ eV 6.
6194.716 4		[1]	3.927 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0059$ eV 6, $g\Gamma_n=0.0066$ eV 6.
6194.729 4		[1]	3.941 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0079$ eV 5, $g\Gamma_n=0.0093$ eV 7.
6194.747 4		[1]	3.959 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0020$ eV 6, $g\Gamma_n=0.0021$ eV 6.
6194.764 4	1/2 ⁺	0	3.976 4	$\Gamma_\gamma=0.0608$ eV 20, $g\Gamma_n=1.66$ eV 7.
6194.785 4	1/2 ⁺	0	3.997 4	$\Gamma_\gamma=0.0522$ eV 25, $g\Gamma_n=0.29$ eV 5.
6194.834 4		[1]	4.046 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0047$ eV 5, $g\Gamma_n=0.0051$ eV 6.
6194.853 4		0	4.065 4	$\Gamma_\gamma=0.0526$ eV 24, $g\Gamma_n=1.14$ eV 6.
6194.919 4	1/2 ⁺		4.132 4	
6194.988 4		[1]	4.201 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0032$ eV 6, $g\Gamma_n=0.0034$ eV 6.
6195.001 4	1/2 ⁺	0	4.214 4	$\Gamma_\gamma=0.068$ eV 3, $g\Gamma_n=0.29$ eV 3.
6195.040 4		[1]	4.253 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0051$ eV 6, $g\Gamma_n=0.0056$ eV 7.
6195.055 4	1/2 ⁺	0	4.268 4	$\Gamma_\gamma=0.063$ eV 4, $g\Gamma_n=0.21$ eV 3.
6195.101 4	1/2 ⁺	0	4.315 4	$\Gamma_\gamma=0.0656$ eV 23, $g\Gamma_n=1.99$ eV 9.
6195.114 4	1/2 ⁺	[0]	4.328 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0338$ eV 11, $g\Gamma_n=0.09$ eV 4.
6195.126 4		[1]	4.340 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0063$ eV 7, $g\Gamma_n=0.0071$ eV 8.
6195.155 4	1/2 ⁺	0	4.369 4	$\Gamma_\gamma=0.073$ eV 26, $g\Gamma_n=0.085$ eV 20.
6195.210 4		[1]	4.424 4	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0026$ eV 10, $g\Gamma_n=0.0027$ eV 10.
6195.219 4	1/2 ⁺	0	4.433 4	$\Gamma_\gamma=0.075$ eV 3, $g\Gamma_n=2.92$ eV 13.
6195.280 4	1/2 ⁺	0	4.495 4	$\Gamma_\gamma=0.0582$ eV 18, $g\Gamma_n=0.44$ eV 5.
6195.310 5		[1]	4.525 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0033$ eV 4, $g\Gamma_n=0.0035$ eV 4.
6195.339 5		[1]	4.554 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0092$ eV 6, $g\Gamma_n=0.0111$ eV 9.
6195.393 5	1/2 ⁺	[0]	4.608 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0349$ eV 10, $g\Gamma_n=0.099$ eV.
6195.418 5		[1]	4.633 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0051$ eV 5, $g\Gamma_n=0.0056$ eV 6.
6195.427 5		[1]	4.642 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0089$ eV 6, $g\Gamma_n=0.0107$ eV 9.
6195.501 5	1/2 ⁺	0	4.717 5	$\Gamma_\gamma=0.0807$ eV 22, $g\Gamma_n=0.95$ eV 10.
6195.528 5	1/2 ⁺	[0]	4.744 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0336$ eV 10, $g\Gamma_n=0.089$ eV.
6195.618 5	1/2 ⁺	0	4.834 5	$\Gamma_\gamma=0.0480$ eV 23, $g\Gamma_n=3.00$ eV 15.
6195.632 5	1/2 ⁺	0	4.848 5	$\Gamma_\gamma=0.056$ eV 7, $g\Gamma_n=0.15$ eV 4.
6195.688 5		[1]	4.905 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0073$ eV 9, $g\Gamma_n=0.0084$ eV 10.
6195.694 5	1/2 ⁺	0	4.911 5	$\Gamma_\gamma=0.0573$ eV 26, $g\Gamma_n=1.37$ eV 7.
6195.733 5		[1]	4.950 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0090$ eV 8, $g\Gamma_n=0.0108$ eV 10.
6195.745 5	1/2 ⁺	0	4.962 5	$\Gamma_\gamma=0.0580$ eV 22, $g\Gamma_n=0.38$ eV 5.
6195.767 5		[1]	4.984 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0054$ eV 6, $g\Gamma_n=0.0060$ eV 7.
6195.816 5		[1]	5.033 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0057$ eV 6, $g\Gamma_n=0.0064$ eV 7.
6195.879 5	1/2 ⁺	[1]	5.097 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0178$ eV 7, $g\Gamma_n=0.027$ eV 4.
6195.922 5	1/2 ⁺	0	5.140 5	$\Gamma_\gamma=0.0490$ eV 14, $g\Gamma_n=1.11$ eV 15.
6195.943 5		[1]	5.161 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0171$ eV 8, $g\Gamma_n=0.025$ eV 3.
6195.982 5	1/2 ⁺	0	5.200 5	$\Gamma_\gamma=0.071$ eV 3, $g\Gamma_n=5.19$ eV 19.
6195.999 5		[1]	5.218 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0046$ eV 7, $g\Gamma_n=0.0050$ eV 8.
6196.075 5		[1]	5.294 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0060$ eV 6, $g\Gamma_n=0.0068$ eV 7.
6196.126 5	1/2 ⁺	[0]	5.345 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0268$ eV 9, $g\Gamma_n=0.053$ eV 13.
6196.141 5		[1]	5.360 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0037$ eV 6, $g\Gamma_n=0.0040$ eV 6.
6196.186 5		[1]	5.406 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0042$ eV 6, $g\Gamma_n=0.0046$ eV 7.
6196.216 5	1/2 ⁺	0	5.436 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.134$ eV 4, $g\Gamma_n=6.23$ eV 17.
6196.243 5		[1]	5.463 5	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0050$ eV 6, $g\Gamma_n=0.0055$ eV 7.
6196.301 6		[1]	5.521 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0055$ eV 7, $g\Gamma_n=0.0061$ eV 8.

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$^{182}\text{W}(\text{n},\gamma) \text{E=res}$ **1969MuZQ (continued)** ^{183}W Levels (continued)

E(level) [†]	J ^π _z	L	E(res)(lab)	Comments
6196.320 6	1/2 ⁺	0	5.540 6	$\Gamma_\gamma=0.0532$ eV 23, $g\Gamma_n=0.580$ eV 15.
6196.346 6	1/2 ⁺	0	5.566 6	$\Gamma_\gamma=0.0576$ eV 18, $g\Gamma_n=0.70$ eV 10.
6196.361 6		[1]	5.581 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0094$ eV 8, $g\Gamma_n=0.0114$ eV 10.
6196.405 6		[1]	5.626 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0108$ eV 8, $g\Gamma_n=0.0135$ eV 10.
6196.435 6	1/2 ⁺	0	5.656 6	$\Gamma_\gamma=0.007$ eV 7, $g\Gamma_n=13.7$ eV 7.
6196.464 6	1/2 ⁺	[0]	5.685 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0340$ eV 11, $g\Gamma_n=0.092$ eV.
6196.483 6		[1]	5.704 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0091$ eV 8, $g\Gamma_n=0.0109$ eV 10.
6196.497 6	1/2 ⁺	[0]	5.718 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0432$ eV 12, $g\Gamma_n=0.220$ eV.
6196.545 6		[1]	5.767 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0096$ eV 7, $g\Gamma_n=0.0117$ eV 10.
6196.558 6		[1]	5.780 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0187$ eV 10, $g\Gamma_n=0.029$ eV 4.
6196.610 6	1/2 ⁺	[0]	5.832 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0272$ eV 10, $g\Gamma_n=0.055$ eV 14.
6196.661 6	1/2 ⁺	0	5.883 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0142$ eV 9, $g\Gamma_n=0.39$ eV 10.
6196.693 6			5.915 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0536$ eV 14.
6196.781 6		[1]	6.004 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0198$ eV 12, $g\Gamma_n=0.031$ eV 5.
6196.798 6	1/2 ⁺	0	6.021 6	$\Gamma_\gamma=0.050$ eV 9, $g\Gamma_n=0.24$ eV 10.
6196.856 6		[1]	6.079 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0147$ eV 11, $g\Gamma_n=0.0202$ eV 20.
6196.884 6			6.107 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0520$ eV 18.
6196.939 6		[1]	6.163 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0240$ eV 13, $g\Gamma_n=0.043$ eV 8.
6196.966 6	1/2 ⁺	0	6.190 6	$\Gamma_\gamma=0.077$ eV 4, $g\Gamma_n=4.6$ eV 4.
6196.989 6		[1]	6.213 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0088$ eV 11, $g\Gamma_n=0.0105$ eV 10.
6197.038 6	1/2 ⁺	0	6.262 6	$\Gamma_\gamma=0.051$ eV 3, $g\Gamma_n=2.59$ eV 17.
6197.067 6		[1]	6.291 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0086$ eV 11, $g\Gamma_n=0.0102$ eV 10.
6197.101 6			6.326 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0449$ eV 17.
6197.132 6		[1]	6.357 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0257$ eV 13, $g\Gamma_n=0.050$ eV 10.
6197.155 6		[1]	6.380 6	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0080$ eV 11, $g\Gamma_n=0.0094$ eV 10.
6197.181 6	1/2 ⁺	0	6.406 6	$\Gamma_\gamma=0.073$ eV 3, $g\Gamma_n=3.89$ eV 23.
6197.291 7	1/2 ⁺	0	6.517 7	$\Gamma_\gamma=0.061$ eV 3, $g\Gamma_n=0.91$ eV 15.
6197.310 7	1/2 ⁺	0	6.536 7	$\Gamma_\gamma=0.051$ eV 6, $g\Gamma_n=1.89$ eV 20.
6197.356 7		[1]	6.582 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0190$ eV 14, $g\Gamma_n=0.029$ eV 5.
6197.379 7	1/2 ⁺	0	6.605 7	$\Gamma_\gamma=0.056$ eV 4, $g\Gamma_n=0.38$ eV 8.
6197.442 7	1/2 ⁺	0	6.668 7	$\Gamma_\gamma=0.064$ eV 4, $g\Gamma_n=4.9$ eV 4.
6197.507 7	1/2 ⁺	0	6.734 7	$\Gamma_\gamma=0.056$ eV 4, $g\Gamma_n=0.47$ eV 10.
6197.516 7	1/2 ⁺	0	6.743 7	$\Gamma_\gamma=0.067$ eV 3, $g\Gamma_n=0.63$ eV 10.
6197.550 7		[1]	6.777 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0049$ eV 13, $g\Gamma_n=0.0054$ eV 10.
6197.631 7		0	6.858 7	$\Gamma_\gamma=0.068$ eV 3, $g\Gamma_n=1.25$ eV 15.
6197.679 7		[1]	6.907 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0197$ eV 15, $g\Gamma_n=0.031$ eV 5.
6197.733 7	1/2 ⁺	0	6.961 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.096$ eV 4, $g\Gamma_n=2.86$ eV 17. E(level): probable doublet.
6197.748 7		[1]	6.976 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0233$ eV 23, $g\Gamma_n=0.040$ eV 8.
6197.788 7	1/2 ⁺	0	7.016 7	$\Gamma_\gamma=0.053$ eV 3, $g\Gamma_n=0.059$ eV 10.
6197.826 7		[1]	7.055 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0113$ eV 14, $g\Gamma_n=0.0143$ eV 20.
6197.874 7	1/2 ⁺	0	7.103 7	$\Gamma_\gamma=0.084$ eV 5, $g\Gamma_n=0.49$ eV 10.
6197.929 7	1/2 ⁺	0	7.158 7	$\Gamma_\gamma=0.055$ eV 4, $g\Gamma_n=2.03$ eV 30.
6198.016 7	1/2 ⁺	0	7.246 7	$\Gamma_\gamma=0.079$ eV 3, $g\Gamma_n=1.08$ eV 15.
6198.057 7	1/2 ⁺	0	7.288 7	$\Gamma_\gamma=0.055$ eV 5, $g\Gamma_n=0.34$ eV 10.
6198.088 7			7.318 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0496$ eV 19.
6198.190 7		[1]	7.421 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0096$ eV 12, $g\Gamma_n=0.0117$ eV 20.
6198.211 7		[1]	7.442 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0092$ eV 15, $g\Gamma_n=0.0111$ eV 20.
6198.224 7		[1]	7.445 7	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0099$ eV 13, $g\Gamma_n=0.0121$ eV 20.
6198.243 7	1/2 ⁺	0	7.474 7	$\Gamma_\gamma=0.059$ eV 3, $g\Gamma_n=3.95$ eV 25, $g\Gamma_n\Gamma_\gamma/\Gamma=0.0104$ eV 23.
6198.323 8	1/2 ⁺	0	7.554 8	$\Gamma_\gamma=0.066$ eV 4, $g\Gamma_n=3.34$ eV 22.
6198.358 8	1/2 ⁺	0	7.589 8	$\Gamma_\gamma=0.0508$ eV 24, $g\Gamma_n=0.54$ eV 10.
6198.379 8		[1]	7.611 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0185$ eV 14, $g\Gamma_n=0.028$ eV 4.
6198.426 8		[1]	7.658 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0255$ eV 15, $g\Gamma_n=0.048$ eV 10.
6198.453 8		[1]	7.685 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0118$ eV 23, $g\Gamma_n=0.015$ eV 3.
6198.463 8	1/2 ⁺	0	7.695 8	$\Gamma_\gamma=0.077$ eV 4, $g\Gamma_n=3.90$ eV 28.

Continued on next page (footnotes at end of table)

$^{182}\text{W}(\text{n},\gamma)$ E=res **1969MuZQ** (continued) ^{183}W Levels (continued)

E(level) [†]	J ^π [‡]	L	E(res)(lab)	Comments
6198.516 8	1/2 ⁺	0	7.748 8	$\Gamma_\gamma=0.074$ eV 3, $g\Gamma_n=1.24$ eV 15.
6198.532 8		[1]	7.764 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0184$ eV 20, $g\Gamma_n=0.028$ eV 5.
6198.577 8	1/2 ⁺	0	7.810 8	$\Gamma_\gamma=0.063$ eV 5, $g\Gamma_n=3.00$ eV 25.
6198.604 8	1/2 ⁺	0	7.837 8	$\Gamma_\gamma=0.068$ eV 3, $g\Gamma_n=1.30$ eV 25.
6198.675 8		[1]	7.908 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0111$ eV 18, $g\Gamma_n=0.014$ eV 2.
6198.702 8	1/2 ⁺		7.935 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0420$ eV 25.
6198.716 8		[1]	7.949 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0211$ eV 23, $g\Gamma_n=0.035$ eV 5.
6198.742 8	1/2 ⁺	[0]	7.976 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0324$ eV 21, $g\Gamma_n=0.08$ eV 3.
6198.780 8	1/2 ⁺	0	8.014 8	$\Gamma_\gamma=0.065$ eV 3, $g\Gamma_n=1.32$ eV 20.
6198.815 8		[1]	8.049 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0260$ eV 19, $g\Gamma_n=0.050$ eV 12.
6198.838 8		[1]	8.072 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0136$ eV 16, $g\Gamma_n=0.018$ eV 3.
6198.892 8		[1]	8.126 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0275$ eV 21, $g\Gamma_n=0.056$ eV 15.
6198.912 8			8.147 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0457$ eV 24.
6198.928 8		[1]	8.163 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0187$ eV 19, $g\Gamma_n=0.029$ eV 5.
6198.957 8	1/2 ⁺	0	8.192 8	$\Gamma_\gamma=0.050$ eV 3, $g\Gamma_n=1.64$ eV 20.
6199.017 8		[1]	8.252 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0192$ eV 18, $g\Gamma_n=0.030$ eV 5.
6199.062 8			8.297 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0448$ eV 26.
6199.087 8		[1]	8.322 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0088$ eV 17, $g\Gamma_n=0.0105$ eV 20.
6199.127 8		[1]	8.363 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.020$ eV 3, $g\Gamma_n=0.033$ eV 4.
6199.138 8		[1]	8.374 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.024$ eV 3, $g\Gamma_n=0.042$ eV 7.
6199.161 8	1/2 ⁺	0	8.397 8	$\Gamma_\gamma=0.074$ eV 4, $g\Gamma_n=1.82$ eV 25.
6199.206 8			8.442 8	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0474$ eV 26.
6199.274 9	1/2 ⁺	0	8.508 9	$\Gamma_\gamma=0.048$ eV 4, $g\Gamma_n=0.61$ eV 16.
6199.302 9	1/2 ⁺	0	8.539 9	$\Gamma_\gamma=0.055$ eV 4, $g\Gamma_n=0.61$ eV 15.
6199.326 9		[1]	8.563 9	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0215$ eV 23, $g\Gamma_n=0.036$ eV 5.
6199.356 9	1/2 ⁺	[0]	8.593 9	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0367$ eV 23, $g\Gamma_n=0.115$ eV.
6199.414 9	1/2 ⁺	[0]	8.651 9	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0419$ 26, $g\Gamma_n=0.190$ eV.
6199.490 9	1/2 ⁺	0	8.728 9	$\Gamma_\gamma=0.061$ eV 5, $g\Gamma_n=4.5$ eV 4.
6199.573 9	1/2 ⁺	0	8.811 9	$\Gamma_\gamma=0.047$ eV 4, $g\Gamma_n=1.9$ eV 3.
6199.583 9	1/2 ⁺	[0]	8.821 9	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0359$ eV 27, $g\Gamma_n=0.110$ eV.
6199.610 9		[1]	8.848 9	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0317$ eV 25, $g\Gamma_n=0.077$ eV.
6199.658 9			8.897 9	$g\Gamma_n\Gamma_\gamma/\Gamma=0.053$ eV 3.
6199.770 9	1/2 ⁺	0	9.009 9	$\Gamma_\gamma=0.076$ eV 5, $g\Gamma_n=0.86$ eV 15.
6199.834 9			9.074 9	$g\Gamma_n\Gamma_\gamma/\Gamma=0.0066$ eV 3.
6199.991 9	1/2 ⁺	0	9.231 9	$g\Gamma_n=4.0$ eV 4.
6200.211 9	1/2 ⁺	0	9.453 9	$g\Gamma_n=3.6$ eV 5.
6200.231 9	1/2 ⁺	0	9.473 9	$g\Gamma_n=1.3$ eV 4.
6200.579 10	1/2 ⁺	0	9.823 10	$g\Gamma_n=2.5$ eV 3.
6200.652 10	1/2 ⁺	0	9.896 10	$g\Gamma_n=1.64$ eV 20.
6200.700 10	1/2 ⁺	0	9.944 10	$g\Gamma_n=0.66$ eV 20.
6200.753 10	1/2 ⁺	0	9.998 10	$g\Gamma_n=3.2$ eV 6.
6200.780 10	1/2 ⁺	0	10.025 1	$g\Gamma_n=3.3$ eV 6.
6200.895 10	1/2 ⁺	0	10.140 1	$g\Gamma_n=1.66$ eV 20.
6201.014 10	1/2 ⁺	0	10.260 1	$g\Gamma_n=3.8$ eV 4.
6201.355 10	1/2 ⁺	0	10.603 1	$g\Gamma_n=1.87$ eV 25.
6201.650 10	1/2 ⁺	0	10.900 1	$g\Gamma_n=0.89$ eV 30.
6201.750 10	1/2 ⁺	0	11.000 1	$g\Gamma_n=1.84$ eV 20.
6201.923 10	1/2 ⁺	0	11.174 1	$g\Gamma_n=1.30$ eV 25.
6202.058	1/2 ⁺	0	11.310 1	$g\Gamma_n=3.2$ eV 3.
6202.128	1/2 ⁺	0	11.380 1	$g\Gamma_n=6.0$ eV 6.
6202.307	1/2 ⁺	0	11.560 1	$g\Gamma_n=2.6$ eV 3.
6202.456	1/2 ⁺	0	11.710 1	$g\Gamma_n=3.8$ eV 3.
6202.526	1/2 ⁺	0	11.780 1	$g\Gamma_n=0.64$ eV 15.
6202.565	1/2 ⁺	0	11.820 1	$g\Gamma_n=2.7$ eV 3.
6202.635	1/2 ⁺	0	11.890 1	$g\Gamma_n=3.2$ eV 3.
6202.655	1/2 ⁺	0	11.910 1	$g\Gamma_n=2.5$ eV 3.

Continued on next page (footnotes at end of table)

$^{182}\text{W}(\text{n},\gamma) \text{E=res}$ **1969MuZQ (continued)** ^{183}W Levels (continued)

E(level) [†]	J ^π [‡]	L	E(res)(lab)	Comments
6202.953	1/2 ⁺	0	12.210 <i>I</i>	$g\Gamma_n=1.9$ eV 3.
6203.103	1/2 ⁺	0	12.361 <i>I</i>	$g\Gamma_n=1.1$ eV 3.
6203.232	1/2 ⁺	0	12.490 <i>I</i>	$g\Gamma_n=3.2$ eV 3.
6203.281	1/2 ⁺	0	12.540 <i>I</i>	$g\Gamma_n=2.9$ eV 3.
6203.421	1/2 ⁺	0	12.680 <i>I</i>	$g\Gamma_n=2.0$ eV 3.
6203.796	1/2 ⁺	0	13.057 <i>I</i>	$g\Gamma_n=3.1$ eV 3.
6203.918	1/2 ⁺	0	13.180 <i>I</i>	$g\Gamma_n=5.1$ eV 7.
6203.991	1/2 ⁺	0	13.253 <i>I</i>	$g\Gamma_n=3.3$ eV 3.

[†] From S(n)+E(n)(c.m.), where S(n)(^{183}W)=6190.81 5 (2012Wa38) and resonance E(n)(c.m.)=(182/183)E(n)(lab), except for E(level)<S(n). note that a systematic uncertainty of 0.05 keV arising from the adopted S(n) value needs to be combined in quadrature with the uncertainties shown here. from difference in energy between primary γ feeding excited state and that feeding g.s. if E(level)<S(n).

[‡] L=0 capture by 0⁺ target.

 $\gamma(^{183}\text{W})$

E_γ [†]	I_γ ^{‡&}	$E_i(\text{level})$	J_i^π	E_f	E_γ [†]	I_γ ^{‡&}	$E_i(\text{level})$	J_i^π	E_f
3866	≤0.3	6190.86094	1/2 ⁺	2324	4273	≤0.5	6191.2916	1/2 ⁺	1917
3866	≤0.5	6190.9238	1/2 ⁺	2324	4304	3.0 2	6190.86094	1/2 ⁺	1886
3866	≤0.9	6191.0566	1/2 ⁺	2324	4304	0.7 3	6190.9238	1/2 ⁺	1886
3866	≤0.2	6191.1841	1/2 ⁺	2324	4304	0.6 4	6191.0566	1/2 ⁺	1886
3866	≤1.2	6191.2916	1/2 ⁺	2324	4304	1.3 9	6191.1841	1/2 ⁺	1886
4014	1.7 2	6190.86094	1/2 ⁺	2176	4304	≤0.5	6191.2916	1/2 ⁺	1886
4014	0.6 3	6190.9238	1/2 ⁺	2176	4325	1.5 2	6190.86094	1/2 ⁺	1865
4014	≤0.1	6191.0566	1/2 ⁺	2176	4325	1.3 3	6190.9238	1/2 ⁺	1865
4014	≤2.0	6191.2916	1/2 ⁺	2176	4325	0.8 4	6191.0566	1/2 ⁺	1865
4063	0.9 2	6190.86094	1/2 ⁺	2127	4325	4.0 9	6191.1841	1/2 ⁺	1865
4063	≤0.4	6190.9238	1/2 ⁺	2127	4325	≤1.3	6191.2916	1/2 ⁺	1865
4063	≤0.7	6191.0566	1/2 ⁺	2127	4353	≤0.4	6190.86094	1/2 ⁺	1837
4063	≤1.5	6191.1841	1/2 ⁺	2127	4353	1.4 3	6190.9238	1/2 ⁺	1837
4063	≤2.3	6191.2916	1/2 ⁺	2127	4353	≤0.6	6191.0566	1/2 ⁺	1837
4094	1.1 3	6190.9238	1/2 ⁺	2096	4353	≤0.4	6191.1841	1/2 ⁺	1837
4094	0.6 5	6191.0566	1/2 ⁺	2096	4353	≤1.9	6191.2916	1/2 ⁺	1837
4094	1.3 9	6191.1841	1/2 ⁺	2096	4391	0.4 2	6190.86094	1/2 ⁺	1799
4094	≤0.5	6191.2916	1/2 ⁺	2096	4391	3.4 3	6190.9238	1/2 ⁺	1799
4197	0.9 2	6190.86094	1/2 ⁺	1993	4391	0.4 4	6191.0566	1/2 ⁺	1799
4197	≤0.1	6190.9238	1/2 ⁺	1993	4391	≤1.6	6191.1841	1/2 ⁺	1799
4197	≤0.5	6191.0566	1/2 ⁺	1993	4391	≤0.5	6191.2916	1/2 ⁺	1799
4197	2.5 9	6191.1841	1/2 ⁺	1993	4463	0.5 2	6190.86094	1/2 ⁺	1727
4197	≤0.5	6191.2916	1/2 ⁺	1993	4463	3.5 4	6191.0566	1/2 ⁺	1727
4211	0.6 2	6190.86094	1/2 ⁺	1979	4463	1.4 8	6191.1841	1/2 ⁺	1727
4211	≤1.1	6191.1841	1/2 ⁺	1979	4463	1.8 13	6191.2916	1/2 ⁺	1727
4211	1.6 14	6191.2916	1/2 ⁺	1979	4519	1.3 2	6190.86094	1/2 ⁺	1671
4246	≤0.3	6190.86094	1/2 ⁺	1944	4519	3.4 3	6190.9238	1/2 ⁺	1671
4246	1.2 5	6191.0566	1/2 ⁺	1944	4519	3.4 4	6191.0566	1/2 ⁺	1671
4246	≤0.2	6191.1841	1/2 ⁺	1944	4519	1.1 9	6191.1841	1/2 ⁺	1671
4246	≤0.8	6191.2916	1/2 ⁺	1944	4519	5.8 13	6191.2916	1/2 ⁺	1671
4273	0.4 2	6190.86094	1/2 ⁺	1917	4557	≤0.2	6190.86094	1/2 ⁺	1633
4273	3.6 3	6190.9238	1/2 ⁺	1917	4557	1.1 3	6190.9238	1/2 ⁺	1633
4273	0.4 5	6191.0566	1/2 ⁺	1917	4557	≤0.4	6191.0566	1/2 ⁺	1633
4273	3.0 9	6191.1841	1/2 ⁺	1917	4557	≤1.0	6191.1841	1/2 ⁺	1633

Continued on next page (footnotes at end of table)

$^{182}\text{W}(\text{n},\gamma)$ E=res **1969MuZQ (continued)** $\gamma(^{183}\text{W})$ (continued)

$E_\gamma^\dagger$	$I_\gamma^{\ddagger\&}$	$E_i(\text{level})$	J_i^π	E_f	$E_\gamma^\dagger$	$I_\gamma^{\ddagger\&}$	$E_i(\text{level})$	J_i^π	E_f
4557	2.3 13	6191.2916	1/2 ⁺	1633	5258	1.1 4	6190.86094	1/2 ⁺	932
4633	5.0 2	6190.86094	1/2 ⁺	1557	5258	2.6 2	6190.9238	1/2 ⁺	932
4633	3.6 3	6190.9238	1/2 ⁺	1557	5258	≤0.5	6191.0566	1/2 ⁺	932
4633	3.6 4	6191.0566	1/2 ⁺	1557	5258	0.8 5	6191.1841	1/2 ⁺	932
4633	≤0.8	6191.1841	1/2 ⁺	1557	5258	8.1 10	6191.2916	1/2 ⁺	932
4633	2.2 12	6191.2916	1/2 ⁺	1557	5320	0.8 3	6190.86094	1/2 ⁺	870
4719	0.9 1	6190.86094	1/2 ⁺	1471	5320	≤0.3	6191.0566	1/2 ⁺	870
4719	2.1 3	6190.9238	1/2 ⁺	1471	5658	≤0.2	6190.9238	1/2 ⁺	532
4719	1.9 4	6191.0566	1/2 ⁺	1471	5658	2.1 3	6191.0566	1/2 ⁺	532
4719	2.4 8	6191.1841	1/2 ⁺	1471	5658	≤0.5	6191.1841	1/2 ⁺	532
4719	1.9 12	6191.2916	1/2 ⁺	1471	5658	≤0.5	6191.2916	1/2 ⁺	532
4898	≤0.2	6190.86094	1/2 ⁺	1292	5983	1.9 [#] 8	6190.86094	1/2 ⁺	207
4898	2.5 2	6190.9238	1/2 ⁺	1292	5983	9.5 2	6190.9238	1/2 ⁺	207
4898	≤0.7	6191.0566	1/2 ⁺	1292	5983	1.3 2	6191.0566	1/2 ⁺	207
4898	≤0.3	6191.1841	1/2 ⁺	1292	5983	0.8 4	6191.1841	1/2 ⁺	207
4898	≤0.5	6191.2916	1/2 ⁺	1292	5983	0.7 6	6191.2916	1/2 ⁺	207
5164	0.6 1	6190.86094	1/2 ⁺	1026	6145	6.9 1	6190.86094	1/2 ⁺	45
5164	2.5 2	6190.9238	1/2 ⁺	1026	6145	0.5 1	6190.9238	1/2 ⁺	45
5164	1.8 3	6191.0566	1/2 ⁺	1026	6145	2.2 2	6191.0566	1/2 ⁺	45
5164	≤1.2	6191.1841	1/2 ⁺	1026	6145	3.0 4	6191.1841	1/2 ⁺	45
5164	5.6 11	6191.2916	1/2 ⁺	1026	6145	3.6 6	6191.2916	1/2 ⁺	45
5230	0.3 1	6190.86094	1/2 ⁺	960	6190	4.4 1	6190.86094	1/2 ⁺	0
5230	≤0.2	6190.9238	1/2 ⁺	960	6190	8.3 [@] 2	6190.9238	1/2 ⁺	0
5230	0.5 3	6191.0566	1/2 ⁺	960	6190	0.5 2	6191.0566	1/2 ⁺	0
5230	≤1.0	6191.1841	1/2 ⁺	960	6190	11.1 6	6191.1841	1/2 ⁺	0
5230	1.6 10	6191.2916	1/2 ⁺	960	6190	1.5 6	6191.2916	1/2 ⁺	0

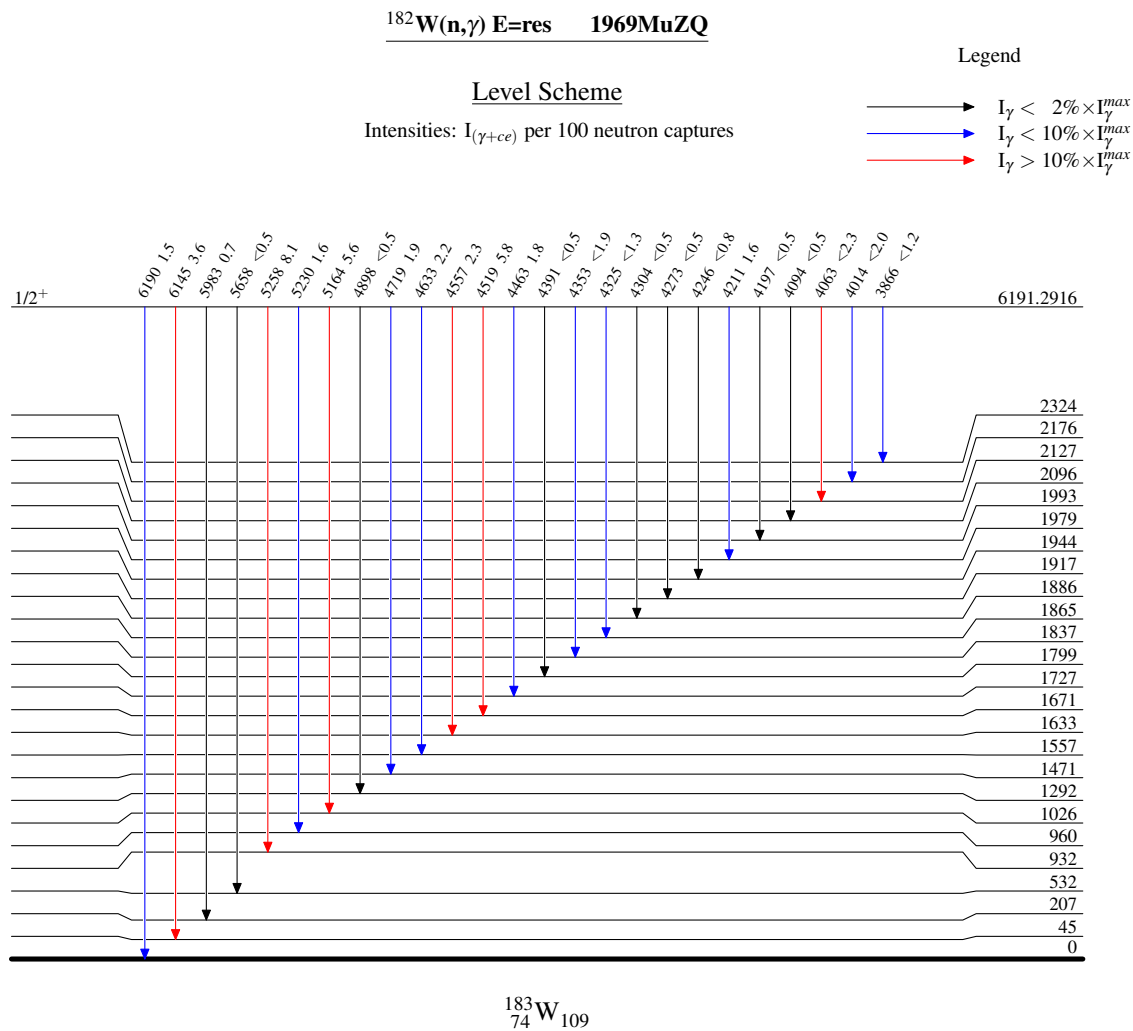
[†] Measured for 4.1-eV resonance. Analysis of those resonance data indicates that these values may be systematically low by several keV.

[‡] Primary I_γ normalized assuming $I_\gamma(6190)=4.4$ 1 per 100 n captures (**1969MuZQ**). Other value: $I_\gamma(6190)=2.6$ 3 (**1967Ra06**).

[#] Uncertainty of 0.08 In table is presumed to be a typographical error.

[@] Other I_γ : $I_\gamma(6190)=1.4$ 12 (**1967Ra06**).

[&] Intensity per 100 neutron captures.



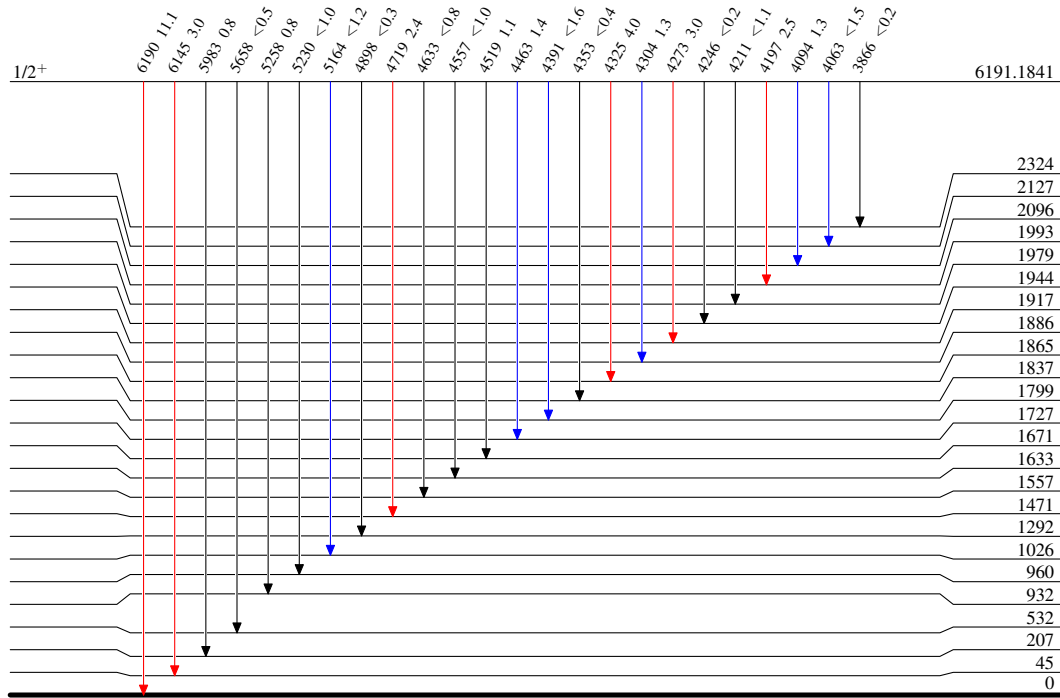
$^{182}\text{W}(\text{n},\gamma)$ E=res **1969MuZQ**

Level Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 neutron captures

Legend

- $I_{\gamma} < 2\% \times I_{\gamma}^{\max}$
- $I_{\gamma} < 10\% \times I_{\gamma}^{\max}$
- $I_{\gamma} > 10\% \times I_{\gamma}^{\max}$

 $^{183}_{74}\text{W}_{109}$

