^{92}Mo(n,γ) E=res 1973Wa17,2006MuZX

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 112, 1163 (2011)	15-Dec-2010

For evaluated resonance parameters, see 2006MuZX.
1973Wa17: E≤23.9 keV, time-of-flight neutron spectroscopy, Ge(Li) detectors, measured angular distribution.
For 29 resonances, 1973Wa17 measured partial Γ_γ to 12 levels in ^{93}Mo whose energy is <2900 keV. Branches whose strength does not exceed 0 (within stated uncertainty) are omitted below. Clearly, many resonances branch significantly to E(level)≥2900 keV.
Values for g × Γ_n, Γ_γ and the capture kernel, $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$ where g=(2J+1)/2, are quoted below from 2006MuZX. From these and the indicated J, the approximate Γ of the resonance may be deduced.

^{93}Mo Levels

E(level)[†]	Jπ[‡]	L	E(n)(lab) (keV)[@]	Comments
0.0				
943[#] *2*				
1493[#] *2*				
1694[#] *2*				
2141[#] *2*				
2181[#] *2*				
2397[#] *2*				
2435[#] *2*				
2671[#] *2*				
2703[#] *2*				
2861[#] *2*				
2880[#] *2*				
8070.15 *9*	$1/2^+$	0	0.3470 *2*	Γ_γ=0.178 eV; g × Γ_n=0.0079 eV *6*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=7.7 meV *5*. Γ_γ: Assumed by 1973Wa17.
8071.66 *9*	$3/2^-$	1	1.8688 *11*	Γ_γ=0.240 eV; g × Γ_n=0.047 eV *10*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=45 meV *3*. Γ_γ: Assumed by 1973Wa17.
8072.11 *9*	$3/2^-$	1	2.3226 *16*	Γ_γ=0.240 eV; g × Γ_n=0.050 eV *6*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=55 meV *4*. Γ_γ: Assumed by 1973Wa17.
8072.84 *9*	$1/2^-,3/2^-$	1	3.060 *2*	g × Γ_n=0.075 eV *10*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=69 meV *6*.
8072.94 *9*	$1/2^+$	0	3.1690 *25*	Γ_γ=0.216 eV *20*; g × Γ_n=7.8 eV *6*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=210 meV *20*.
8074.06 *9*	$3/2^-$	1	4.292 *4*	Γ_γ=0.230 eV *24*; g × Γ_n=1.05 eV *20*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=320 meV *35*.
8075.33 *9*	$3/2^-$	1	5.577 *5*	Γ_γ=0.34 eV *5*; g × Γ_n=0.50 eV *5*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=288 meV *27*.
8075.78 *9*	$3/2^-$	1	6.031 *5*	Γ_γ=0.340 eV; g × Γ_n=0.58 eV *15*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=314 meV *30*. Γ_γ: Assumed by 1973Wa17.
8076.22 *9*	$1/2^-$	1	6.482 *6*	Γ_γ=0.110 eV *10*; g × Γ_n=1.1 eV *1*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=100 meV *10*.
8076.55 *9*	$1/2^+$	0	6.812 *7*	Γ_γ=0.17 eV *3*; g × Γ_n=0.58 eV *5*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=133 meV *11*.
8076.87 *9*	$1/2^+$	0	7.132 *7*	Γ_γ=0.17 eV *5*; g × Γ_n=0.52 eV *10*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=128 meV *11*.
≈8078.61	$3/2^-$&$1/2^-$	1	≈8.9	Γ_γ=0.210 eV *20* and 0.24 eV *3*, g × Γ_n=2.5 eV *5* and 3.5 eV *3* and $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=360 meV *30* and 220 meV *20* for E(n)=8.802 *9* and 8.918 *9* resonances (E(level)=8078.53 *9* and 8078.63 *9*), respectively. 1973Wa17 assume Γ_γ=0.240 eV for E(n)≈8.9 doublet.
8078.85 *9*	[$1/2^-$]	1	9.135 *5*	Γ_γ=0.24 eV *4*; g × Γ_n=1.6 eV *3*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=202 meV *18*.
8080.29 *9*	$3/2^-$	1	10.590 *11*	Γ_γ=0.37 eV *10*; g × Γ_n=0.46 eV *7*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=284 meV *30*.
8080.80 *9*	$3/2^-$	1	11.112 *11*	Γ_γ=0.20 eV *6*; g × Γ_n=0.36 eV *6*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=191 meV *19*.
8081.21 *9*	$1/2^+$	0	11.520 *12*	Γ_γ=0.160 eV *15*; g × Γ_n=11.0 eV *15*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=158 meV *16*.
8082.52 *9*	$3/2^-$	1	12.850 *13*	g × Γ_n=0.22 eV *3*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=193 meV *20*. 1973Wa17 assume Γ_γ=0.240 eV.
8083.42 *9*	$1/2^+$	0	13.760 *14*	Γ_γ=0.119 eV *11*; g × Γ_n=32 eV *3*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=119 meV *13*.
8083.80 *9*	$1/2^-$	1	14.140 *14*	Γ_γ=0.172 eV *16*; g × Γ_n=5.2 eV *4*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=166 meV *15*.

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^{92}Mo(n,γ) E=res 1973Wa17,2006MuZX (continued)

^{93}Mo Levels (continued)

E(level)†	J^{π}‡	L	E(n)(lab) (keV)@	Comments
8084.11 *9*	3/2$^-$	1	14.460 *15*	Γ_γ=0.24 eV *8*; g × Γ_n=0.22 eV *4*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=150 meV *16*.
≈8085.34	1/2$^-$&3/2$^-$	1	≈15.7	Γ_γ=0.192 eV *20* and 0.170 eV *20*, g × Γ_n=6.0 eV *14* and 1.9 eV *7*, and g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=186 meV *20* and 289 meV *25* for E(n)=15.670 *16* and 15.720 *16* resonances (E(level)=8085.31 *9* and 8085.36 *9*), respectively. 1973Wa17 assume Γ_γ=0.240 eV for E(n)≈15.7 doublet.
8086.18 *9*	1/2$^+$	0	16.550 *17*	Γ_γ=0.151 eV *15*; g × Γ_n=63 eV *6*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=151 meV *15*.
8086.92 *9*	3/2$^-$	1	17.300 *17*	Γ_γ=0.21 eV *10*; g × Γ_n=0.25 eV *7*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=157 meV *15*.
≈8087.72	3/2$^-$&(1/2)$^-$	1	≈18.1	Γ_γ=0.169 eV *20* and 0.218 eV *20*, g × Γ_n=0.8 eV *3* and 4.00 eV *15*, and g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=238 meV *20* and 207 meV *20* for E(n)=18.020 *18* and 18.145 *18* resonances (E(level)=8087.64 *9* and 8087.76 *9*), respectively. 1973Wa17 assume Γ_γ=0.240 eV for E(n)≈18.1 doublet.
8088.80 *9*	3/2$^-$	1	19.200 *19*	Γ_γ=0.206 eV *20*; g × Γ_n=6.0 eV *15*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=385 meV *34*.
8089.93 *9*	1/2$^+$	0	20.335 *20*	Γ_γ=0.19 eV *3*; g × Γ_n=0.49 eV *20*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=136 meV *15*.
≈8090.19	1/2$^-$&3/2$^-$	1	≈20.60	Γ_γ=0.153 eV *26* for 20.600 *21* resonance; g × Γ_n=0.50 eV *22* and 0.14 eV *6*, and g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=117 meV *15* and 125 meV *15* for E(n)=20.600 *21* and 20.680 *21* resonances (E(level)=8089.93 *9* and 8090.19 *9*), respectively. 1973Wa17 assume Γ_γ=0.150 eV for E(n)≈20.6 doublet.
8090.68 *9*	1/2$^+$	0	21.100 *21*	Γ_γ=0.166 eV *14*; g × Γ_n=31 eV *3*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=165 meV *20*.
8091.32 *9*	1/2$^-$,3/2$^-$	1	21.740 *22*	g × Γ_n=0.27 eV *5*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=260 meV *25*. 1973Wa17 assume Γ_γ=0.177.
8093.50 *9*	3/2$^-$	1	23.950 *24*	Γ_γ=0.42 eV *4*; g × Γ_n=15.2 eV *15*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=800 meV *90*.
8095.02 *9*	3/2$^-$	1	25.480 *25*	Γ_γ=0.177 eV *15*; g × Γ_n=8.4 eV *8*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=340 meV *30*.
8095.36 *9*	1/2$^+$	0	25.830 *26*	Γ_γ=0.175 eV *17*; g × Γ_n=37 eV *4*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=174 meV *17*.
8095.75 *9*	1/2$^-$	1	26.220 *26*	Γ_γ=1.58 eV *20*; g × Γ_n=73 eV *5*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=1.55 eV *20*.
8097.55 *9*	3/2$^-$	1	28.040 *28*	Γ_γ=0.39 eV *5*; g × Γ_n=13.0 eV *6*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=0.73 eV *80*.
8098.05 *9*	[1/2$^+$]	[0]	28.55 *3*	Γ_γ=0.054 eV *20*; g × Γ_n=0.5 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=49 meV *8*.
8098.21 *9*	1/2$^-$	1	28.71 *3*	Γ_γ=0.26 eV *3*; g × Γ_n=26.0 eV *19*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=260 meV *30*.
8099.31 *9*	1/2$^-$	0	29.82 *3*	Γ_γ=0.175 eV *20*; g × Γ_n=37.0 eV *4*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=174 meV *20*.
8099.58 *9*	3/2$^-$	1	30.09 *3*	g × Γ_n=0.6 eV *3*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=380 meV *35*.
8099.80 *9*	[1/2$^-$]	1	30.32 *3*	Γ_γ=0.137 eV *14*; g × Γ_n=5.6 eV *8*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=134 meV *15*.
8100.61 *9*	3/2$^-$	1	31.13 *3*	Γ_γ=0.14 eV *4*; g × Γ_n=20 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=270 meV *30*.
8100.69 *9*	1/2$^-$	0	31.22 *3*	Γ_γ=0.103 eV *20*; g × Γ_n=57 eV *3*; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=103 meV *20*.
8102.05 *9*	3/2$^-$	1	32.59 *3*	Γ_γ=0.56 eV *8*; g × Γ_n=40 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=1.08 eV *15*.
8102.94 *9*	[1/2$^+$]	[0]	33.49 *3*	Γ_γ=0.089 eV *15*; g × Γ_n=0.5 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=75 meV *10*.
8103.90 *9*	3/2$^-$	[1]	34.46 *3*	Γ_γ=0.15 eV *3*; g × Γ_n=10 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=283 meV *40*.
8104.11 *9*	(1/2$^-$)	[1]	34.67 *4*	Γ_γ=0.16 eV *3*; g × Γ_n=5 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=150 meV *30*.
8104.27 *10*	3/2$^-$	[1]	34.83 *4*	Γ_γ=0.26 eV *5*; g × Γ_n=10 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=500 meV *65*.
8105.03 *10*	(1/2$^-$)	[1]	35.60 *4*	Γ_γ=0.21 eV *4*; g × Γ_n=1 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=171 meV *30*.
8105.17 *10*	(1/2$^-$)	[1]	35.74 *4*	Γ_γ=0.20 eV *4*; g × Γ_n=3 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=182 meV *30*.
8105.42 *10*	[1/2$^-$]	[1]	36.00 *4*	Γ_γ=0.23 eV *4*; g × Γ_n=10 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=226 meV *35*.
8105.90 *10*	[3/2$^-$]	[1]	36.48 *4*	Γ_γ=0.52 eV *8*; g × Γ_n=40 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=1.05 eV *15*.
8106.47 *10*	[3/2$^-$]	[1]	37.06 *4*	Γ_γ=0.23 eV *4*; g × Γ_n=2 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=380 meV *60*.
8107.11 *10*	[1/2$^+$]	0	37.71 *4*	Γ_γ=0.146 eV *25*; g × Γ_n=30 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=146 meV *25*.
8107.37 *10*	(3/2$^-$)	[1]	37.97 *4*	Γ_γ=0.138 eV *18*; g × Γ_n=1 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=216 meV *35*.
8107.87 *10*	[3/2$^-$]	[1]	38.47 *4*	Γ_γ=0.73 eV *10*; g × Γ_n=4 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=1.05 eV *15*.
8108.51 *10*	[1/2$^-$]	[1]	39.12 *4*	Γ_γ=0.22 eV *5*; g × Γ_n=3 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=204 meV *30*.
8109.60 *10*	[3/2$^-$]	[1]	40.22 *4*	Γ_γ=0.41 eV *7*; g × Γ_n=15 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=786 meV *125*.
8109.74 *10*	[3/2$^-$]	[1]	40.36 *4*	Γ_γ=0.27 eV *5*; g × Γ_n=60 eV; g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=533 meV *65*.
8111.51 *10*			42.15 *4*	g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=107 meV *16*.
8111.79 *10*	[3/2$^-$]	[1]	42.44 *4*	g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=367 meV *60*.
8112.70 *10*			43.36 *4*	g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=167 meV *30*.
8113.43 *10*	[3/2$^-$]	[1]	44.09 *4*	g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=297 meV *40*.
8114.03 *10*			44.70 *5*	g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=217 meV *35*.
8114.34 *10*			45.01 *5*	g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=177 meV *30*.
8114.67 *9*			45.35 *1*	g$\Gamma_\gamma\Gamma_n$/(Γ_γ+Γ_n)=193 meV *30*.

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^{92}Mo(n,γ) E=res 1973Wa17,2006MuZX (continued)

^{93}Mo Levels (continued)

E(level)†	Jπ‡	L	E(n)(lab) (keV)@	Comments
8115.57 *10*	[3/2⁻]	[1]	46.26 *5*	$g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=795 meV *125*.
8115.92 *10*	[3/2⁻]	[1]	46.61 *5*	$g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=352 meV *60*.
8116.45 *10*			47.15 *5*	$g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=213 meV *30*.
8117.01 *10*	[3/2⁻]	[1]	47.71 *5*	$g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=503 meV *60*.
8117.22 *10*	1/2⁺	0	47.93 *5*	Γ_γ=0.110 eV *20*; g × Γ_n=50 eV *25*; $g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=111 meV *20*.
8118.06 *10*			48.77 *5*	$g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=232 meV *35*.
8119.24 *10*			49.97 *5*	$g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=268 meV *45*.
8119.45 *10*	[3/2⁻]	[1]	50.18 *5*	$g\Gamma_\gamma\Gamma_n/(\Gamma_\gamma+\Gamma_n)$=737 meV *100*.

† From E(n) (2006MuZX) and adopted S(n)=8069.81 *9* (2003Au03, 2009AuZZ), unless indicated otherwise.
‡ From L and J adopted in 2006MuZX.
# From primary Eγ corresponding to E_{res}=0 (1973Wa17) and S(n)=8069.81 *9* (2003Au03,2009AuZZ).
@ E(n)(lab) for resonance (keV); from 2006MuZX.

γ(^{93}Mo)

Eγ†	Iγ‡	E_i(level)	J^π_i	E_f
5189	0.7 *3*	8070.15	1/2⁺	2880
5196	3.3 *23*	8076.87	1/2⁺	2880
5208	5.1 *3*	8070.15	1/2⁺	2861
5210	3.2 *29*	8090.68	1/2⁺	2880
5214	2.2 *18*	8076.55	1/2⁺	2861
5219	1.9 *14*	8080.80	3/2⁻	2861
5225	3.7 *32*	8086.92	3/2⁻	2861
5228	12 *10*	≈8090.19	1/2⁻&3/2⁻	2861
5366	1.4 *3*	8070.15	1/2⁺	2703
5368	1.2 *5*	8071.66	3/2⁻	2703
5368	1.2 *6*	8072.11	3/2⁻	2703
5369	1.3 *7*	8072.94	1/2⁺	2703
5370	6.8 *10*	8074.06	3/2⁻	2703
5371	1.0 *8*	8075.33	3/2⁻	2703
5372	4.5 *13*	8075.78	3/2⁻	2703
5373	26 *4*	8076.55	1/2⁺	2703
5373	5.3 *23*	8076.87	1/2⁺	2703
5375	8.3 *21*	≈8078.61	3/2⁻&1/2⁻	2703
5375	4.6 *25*	8078.85	[1/2⁻]	2703
5377	2.7 *13*	8080.80	3/2⁻	2703
5377	10 *5*	8081.21	1/2⁺	2703
5379	1.6 *11*	8082.52	3/2⁻	2703
5380	2.6 *22*	8084.11	3/2⁻	2703
5385	7.7 *28*	8088.80	3/2⁻	2703
5386	10 *6*	≈8090.19	1/2⁻&3/2⁻	2703
5388	5.1 *43*	8091.32	1/2⁻,3/2⁻	2703
5398	7.9 *3*	8070.15	1/2⁺	2671
5400	1.9 *6*	8071.66	3/2⁻	2671
5404	4.4 *27*	8076.22	1/2⁻	2671
5410	1.2 *9*	8082.52	3/2⁻	2671
5412	6 *5*	8083.80	1/2⁻	2671
5416	3.6 *25*	≈8087.72	3/2⁻&(1/2)⁻	2671
5417	5 *3*	8088.80	3/2⁻	2671
5634	0.51 *17*	8070.15	1/2⁺	2435
5637	0.6 *5*	8072.84	1/2⁻,3/2⁻	2435
5637	0.9 *6*	8072.94	1/2⁺	2435
5640	1.4 *9*	8075.78	3/2⁻	2435
5641	22 *4*	8076.22	1/2⁻	2435
5641	2.7 *19*	8076.87	1/2⁺	2435
5643	16 *3*	8078.85	[1/2⁻]	2435
5645	2.6 *15*	8080.29	3/2⁻	2435
5652	3.6 *21*	≈8087.72	3/2⁻&(1/2)⁻	2435
5653	4.7 *27*	8088.80	3/2⁻	2435
5655	10 *9*	≈8090.19	1/2⁻&3/2⁻	2435
5658	2.9 *28*	8093.50	3/2⁻	2435
5673	1.2 *7*	8071.66	3/2⁻	2397
5674	8.6 *15*	8072.11	3/2⁻	2397
5676	1.3 *10*	8074.06	3/2⁻	2397
5677	3.5 *12*	8075.78	3/2⁻	2397
5680	2.5 *15*	≈8078.61	3/2⁻&1/2⁻	2397
5684	3.5 *14*	8082.52	3/2⁻	2397
5686	10 *4*	8084.11	3/2⁻	2397
5890	9.8 *10*	8071.66	3/2⁻	2181
5890	1.4 *8*	8072.11	3/2⁻	2181
5891	2.8 *8*	8072.84	1/2⁻,3/2⁻	2181
5891	5.1 *10*	8072.94	1/2⁺	2181
5892	6.0 *11*	8074.06	3/2⁻	2181
5894	1.2 *10*	8075.33	3/2⁻	2181
5894	2.2 *15*	8075.78	3/2⁻	2181
5895	19 *3*	8076.55	1/2⁺	2181
5895	9.5 *16*	8076.87	1/2⁺	2181
5897	3.0 *14*	≈8078.61	3/2⁻&1/2⁻	2181
5904	1.8 *17*	≈8085.34	1/2⁻&3/2⁻	2181
5906	6.1 *25*	≈8087.72	3/2⁻&(1/2)⁻	2181
5930	12.1 *7*	8071.66	3/2⁻	2141
5930	1.0 *5*	8072.11	3/2⁻	2141
5932	2.7 *7*	8074.06	3/2⁻	2141
5934	1.3 *9*	8075.33	3/2⁻	2141

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^{92}Mo(n,γ) E=res 1973Wa17,2006MuZX (continued)

γ(^{93}Mo) (continued)

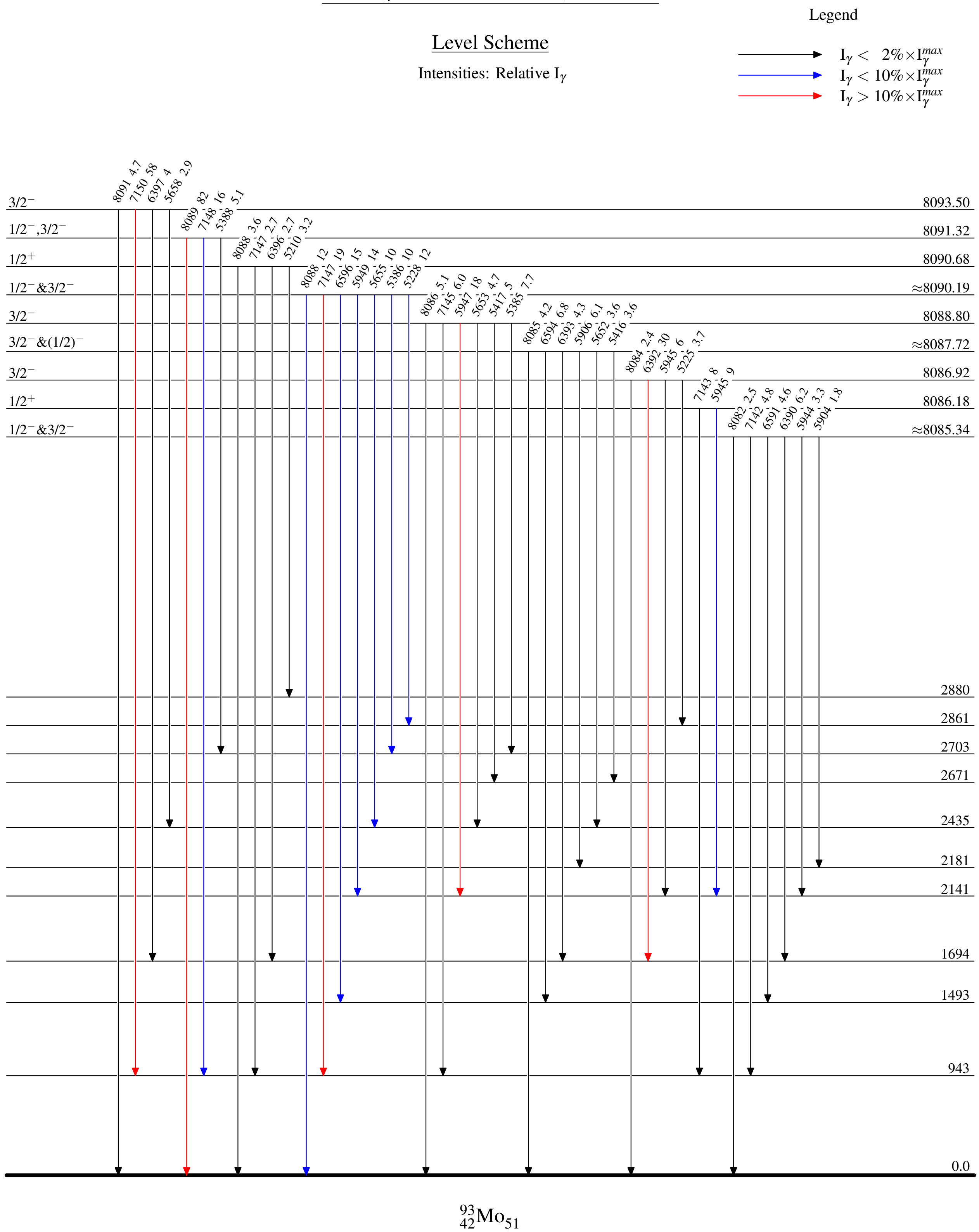
Eγ†	Iγ‡	Ei(level)	J^π_i	Ef
5934	5.4 *10*	8075.78	3/2⁻	2141
5935	3.3 *17*	8076.55	1/2⁺	2141
5935	19 *3*	8076.87	1/2⁺	2141
5937	2.0 *13*	≈8078.61	3/2⁻&1/2⁻	2141
5939	7.9 *21*	8080.29	3/2⁻	2141
5944	3.3 *18*	≈8085.34	1/2⁻&3/2⁻	2141
5945	9 *6*	8086.18	1/2⁺	2141
5945	6 *4*	8086.92	3/2⁻	2141
5947	18 *5*	8088.80	3/2⁻	2141
5949	14 *9*	≈8090.19	1/2⁻&3/2⁻	2141
6375	0.22 *11*	8070.15	1/2⁺	1694
6377	3.3 *7*	8071.66	3/2⁻	1694
6378	0.6 *5*	8072.94	1/2⁺	1694
6379	1.1 *7*	8074.06	3/2⁻	1694
6380	3.6 *11*	8075.33	3/2⁻	1694
6384	14.9 *21*	≈8078.61	3/2⁻&1/2⁻	1694
6384	3.5 *21*	8078.85	[1/2⁻]	1694
6388	3.1 *10*	8082.52	3/2⁻	1694
6390	6.2 *16*	≈8085.34	1/2⁻&3/2⁻	1694
6392	30 *6*	8086.92	3/2⁻	1694
6393	4.3 *20*	≈8087.72	3/2⁻&(1/2)⁻	1694
6396	2.7 *25*	8090.68	1/2⁺	1694
6397	4 *3*	8093.50	3/2⁻	1694
6576	7.1 *3*	8070.15	1/2⁺	1493
6578	12.4 *10*	8071.66	3/2⁻	1493
6578	0.7 *6*	8072.11	3/2⁻	1493
6579	2.8 *7*	8072.84	1/2⁻,3/2⁻	1493
6579	7.7 *10*	8072.94	1/2⁺	1493
6580	49.5 *17*	8074.06	3/2⁻	1493
6581	2.8 *16*	8075.33	3/2⁻	1493
6582	3.4 *13*	8075.78	3/2⁻	1493
6582	1.4 *13*	8076.55	1/2⁺	1493
6583	2.9 *14*	8076.87	1/2⁺	1493
6584	16.1 *21*	≈8078.61	3/2⁻&1/2⁻	1493
6585	46 *3*	8078.85	[1/2⁻]	1493
6586	23 *3*	8080.29	3/2⁻	1493
6587	3.5 *24*	8080.80	3/2⁻	1493
6590	23 *5*	8083.80	1/2⁻	1493
6590	4.1 *29*	8084.11	3/2⁻	1493
6591	4.6 *16*	≈8085.34	1/2⁻&3/2⁻	1493
6594	6.8 *19*	≈8087.72	3/2⁻&(1/2)⁻	1493
6596	15 *10*	≈8090.19	1/2⁻&3/2⁻	1493
7126	14.6 *2*	8070.15	1/2⁺	943
7128	30.6 *8*	8071.66	3/2⁻	943
7128	35.9 *9*	8072.11	3/2⁻	943
7129	60.9 *24*	8072.84	1/2⁻,3/2⁻	943
7129	30.5 *11*	8072.94	1/2⁺	943
7130	31.3 *10*	8074.06	3/2⁻	943
7132	18.0 *12*	8075.33	3/2⁻	943
7132	48.9 *16*	8075.78	3/2⁻	943
7132	12.8 *25*	8076.22	1/2⁻	943
7133	10.1 *21*	8076.55	1/2⁺	943
7133	2.3 *15*	8076.87	1/2⁺	943
7135	29.0 *20*	≈8078.61	3/2⁻&1/2⁻	943
7135	22.1 *25*	8078.85	[1/2⁻]	943
7137	3.3 *11*	8080.29	3/2⁻	943
7137	4.4 *14*	8080.80	3/2⁻	943
7138	18 *4*	8081.21	1/2⁺	943
7139	22.7 *18*	8082.52	3/2⁻	943
7140	6 *4*	8083.42	1/2⁺	943
7140	8 *3*	8083.80	1/2⁻	943
7141	12.3 *24*	8084.11	3/2⁻	943
7142	4.8 *19*	≈8085.34	1/2⁻&3/2⁻	943
7143	8 *5*	8086.18	1/2⁺	943
7145	6.0 *26*	8088.80	3/2⁻	943
7147	19 *7*	≈8090.19	1/2⁻&3/2⁻	943
7147	2.7 *20*	8090.68	1/2⁺	943
7148	16 *4*	8091.32	1/2⁻,3/2⁻	943
7150	58 *4*	8093.50	3/2⁻	943
8067	4.94 *17*	8070.15	1/2⁺	0.0
8069	8.9 *5*	8071.66	3/2⁻	0.0
8069	2.7 *5*	8072.11	3/2⁻	0.0
8070	0.9 *3*	8072.94	1/2⁺	0.0
8071	0.29 *24*	8074.06	3/2⁻	0.0
8073	47.7 *15*	8075.33	3/2⁻	0.0
8073	20.3 *12*	8075.78	3/2⁻	0.0
8073	9.7 *21*	8076.22	1/2⁻	0.0
8074	0.9 *8*	8076.55	1/2⁺	0.0
8074	1.7 *8*	8076.87	1/2⁺	0.0
8076	6.8 *9*	≈8078.61	3/2⁻&1/2⁻	0.0
8078	18.0 *15*	8080.29	3/2⁻	0.0
8078	7.4 *13*	8080.80	3/2⁻	0.0
8079	3.3 *22*	8081.21	1/2⁺	0.0
8080	36.6 *24*	8082.52	3/2⁻	0.0
8081	5 *3*	8083.42	1/2⁺	0.0
8081	6 *3*	8083.80	1/2⁻	0.0
8082	11.8 *24*	8084.11	3/2⁻	0.0
8082	2.5 *11*	≈8085.34	1/2⁻&3/2⁻	0.0
8084	2.4 *18*	8086.92	3/2⁻	0.0
8085	4.2 *14*	≈8087.72	3/2⁻&(1/2)⁻	0.0
8086	5.1 *21*	8088.80	3/2⁻	0.0
8088	12 *6*	≈8090.19	1/2⁻&3/2⁻	0.0
8088	3.6 *16*	8090.68	1/2⁺	0.0
8089	82 *5*	8091.32	1/2⁻,3/2⁻	0.0
8091	4.7 *17*	8093.50	3/2⁻	0.0

† Eγ values corresponding to E(n)=0 from measured spectra in 1973Wa17 have been incremented appropriately for each resonance energy and the rounded-off values are shown here. ΔE=2 keV for high Eγ and 1 keV for low Eγ.
‡ Ratio of partial Γ_γ to total Γ_γ as quoted in 1973Wa17.

^{92}Mo(n,γ) E=res 1973Wa17,2006MuZX

Level Scheme

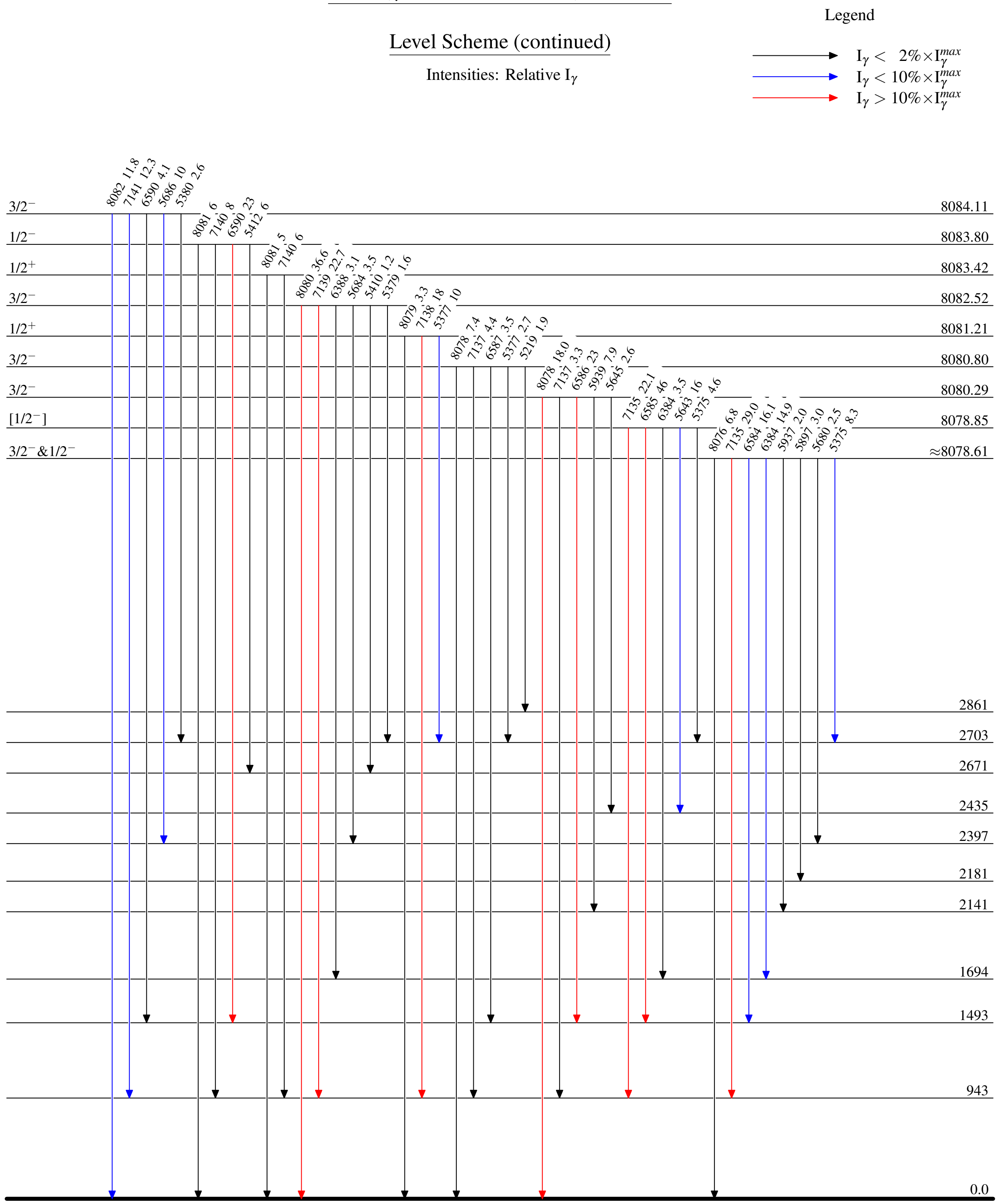
Intensities: Relative I_γ



^{92}Mo(n,γ) E=res 1973Wa17,2006MuZX

Level Scheme (continued)

Intensities: Relative I_γ

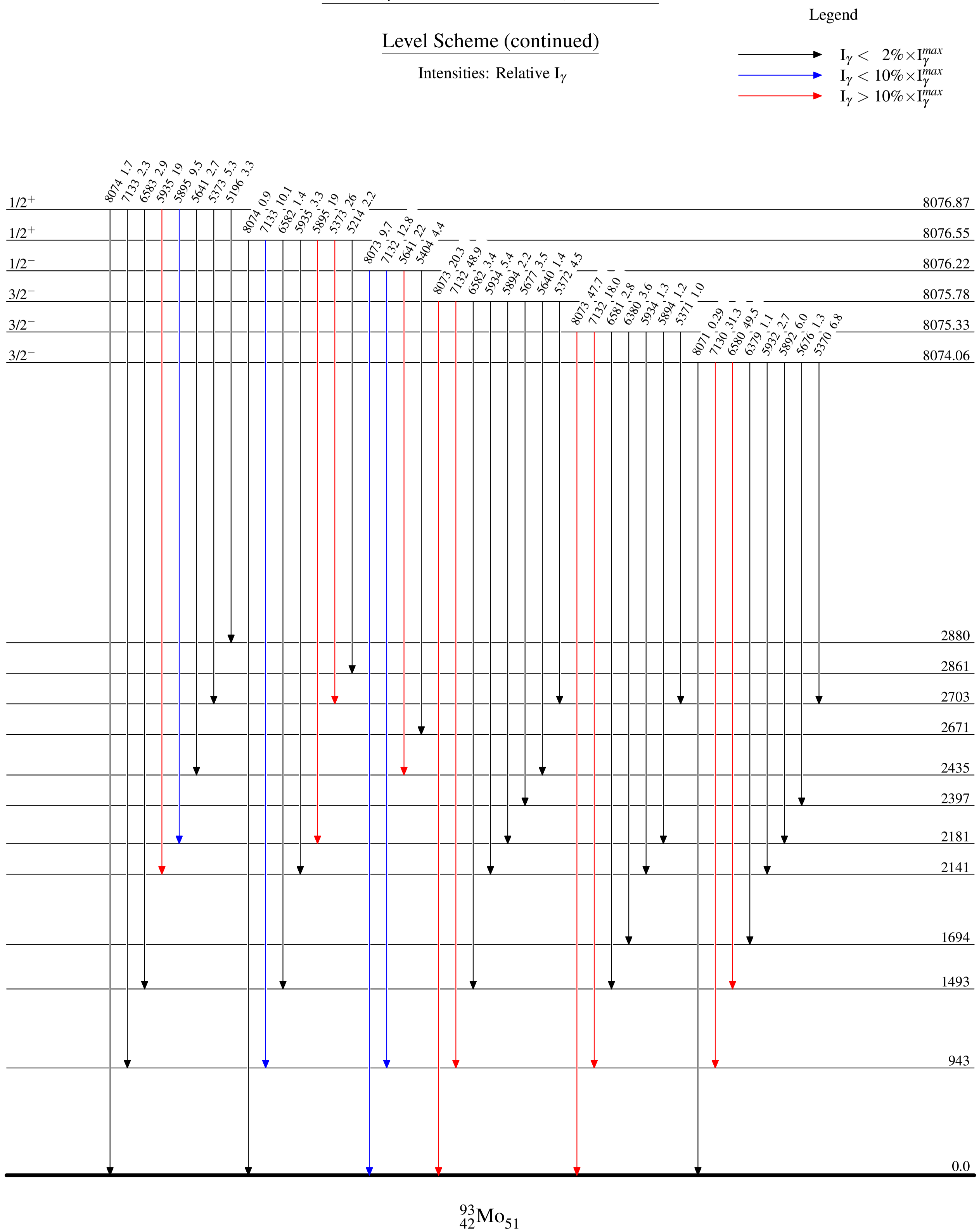


$^{93}_{42}Mo_{51}$

$^{92}Mo(n,\gamma)$ E=res 1973Wa17,2006MuZX

Level Scheme (continued)

Intensities: Relative I_γ



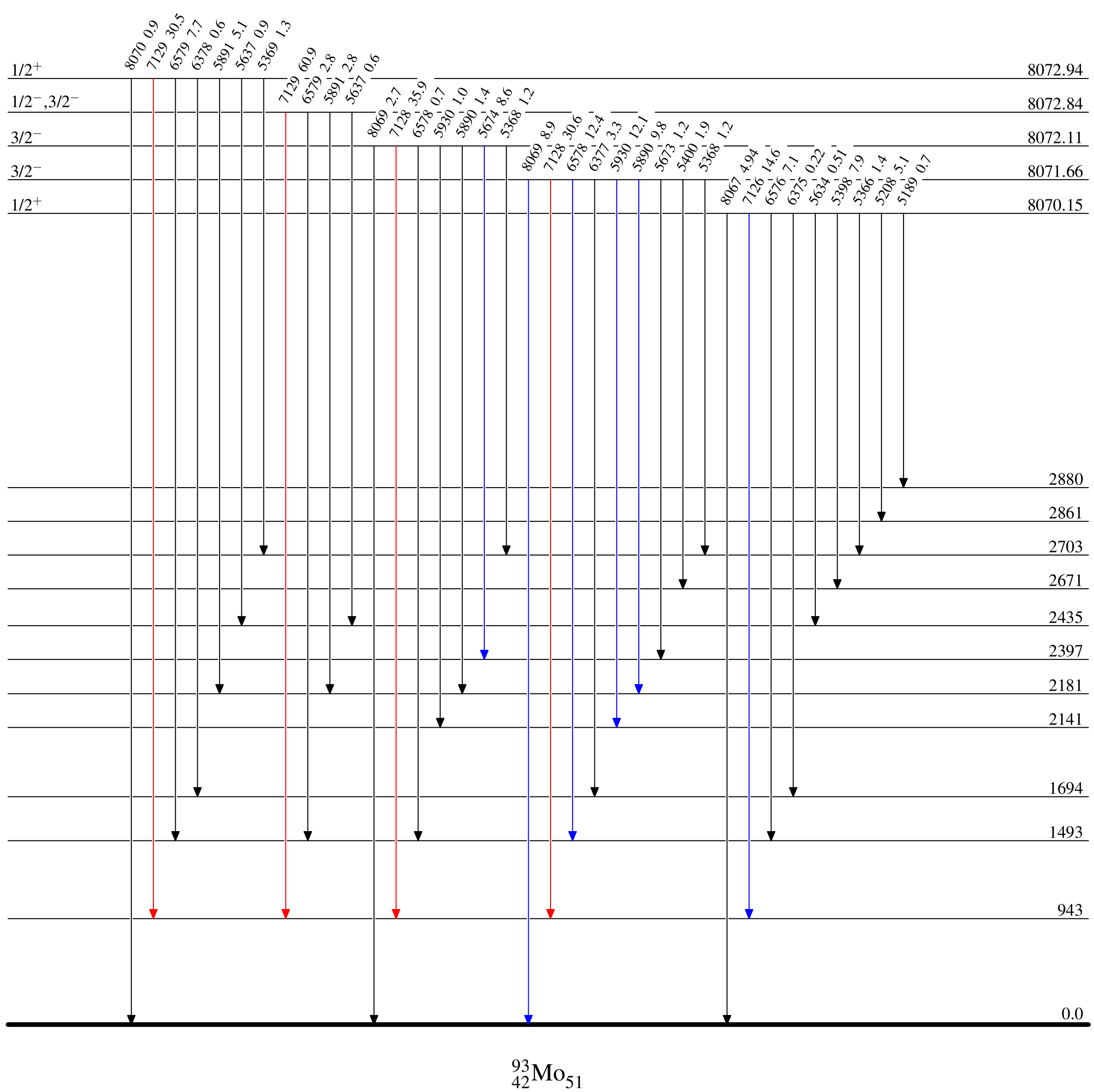
^{92}Mo(n,γ) E=res 1973Wa17,2006MuZX

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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



$^{93}_{42}Mo_{51}$