^{65}Cu(n,γ) E=thermal 1983De29

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 111, 1093 (2010)	3-Mar-2009

Additional information 1.
1983De29: E=polarized and unpolarized thermal, 2-, 24-keV neutrons; measured Eγ, Iγ, γ circular polarization.
1968Sh01: Eγ, Iγ and $\gamma\gamma$ coincidences.
1967Co18, 1968Ma17, 1969Al11: Eγ and Iγ.
1973Ko16: polarized neutrons; measured γ circular polarization.
Other: 1965Ru06.

^{66}Cu Levels

The J^π assignments from this data set are given in comments. They are based on circular polarization measurements for polarized neutron capture γ rays (assumed to be pure E1 transitions) combined with L(d,p) and L(d,α) data of 1969Da09 (1983De29).

E(level)†	J$^\pi$‡	Comments
0.0	1^+	J$^\pi$: 1^+.
185.953 *15*	2^+	J$^\pi$: 1^+,2^+,3^+.
237.822 *11*		
275.030 *17*	3^+	J$^\pi$: 3^+.
385.782 *10*	(1^+)	J$^\pi$: 1^+,2^+.
465.165 *10*	2^+	J$^\pi$: 1^+,2^+.
590.75 *2*	4^+	
729.824 *18*	3^+	J$^\pi$: 3^+.
822.691 *10*	2^+	J$^\pi$: 1^+,2^+.
1008.49 *10*		
1017.138 *15*	3^+	J$^\pi$: 3^+.
1052.082 *17*	1^+	J$^\pi$: 1^+,2^+,3^+.
1158.09 *4*	$(2^+,3)$	
1212.515 *20*	1^+,2^+	J$^\pi$: 1^+,2^+.
1247.152 *24*	4^-	
1344.012 *22*	1^+	J$^\pi$: 1^+,2^+.
1439.408 *25*	$(1^+,2,3^+)$	
1547.39 *4*	1^+,2^+,3^+	J$^\pi$: 1^+,2^+,3^+.
1560.15 *9*	$^+$	
1577.34 *5*	1^+,2^+,3^+	
1678.00 *3*	1^+,2^+	J$^\pi$: 1^+,2^+.
1694.07 *5*	$(1)^+$	
1713.20 *6*	(1^+)	
1735.96 *6*	$(4,5)^-$	
1745.89 *4*	(1,2)	J$^\pi$: (1,2).
1820.352 *14*	1^+	J$^\pi$: 1^+.
1911.31 *8*		
1927.19 *5*	1^+,2^+	J$^\pi$: 1^+,2^+.
1971.18 *5*	2^-	
2018.36 *3*	1^+,2^+,3^+	J$^\pi$: 1^+,2^+,3^+.
2023.315 *23*	(1,2)	J$^\pi$: (1,2).
2124.09 *10*	2^-	
2163.12 *9*	$^-$	
2166.01 *7*	$^+$	
2260.66 *9*		
2363.63 *6*		
2394.93 *11*		
2449.19 *16*		

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^{65}Cu(n,γ) E=thermal 1983De29 (continued)

^{66}Cu Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	Comments
2453.05 *5*	(1$^+$,2,3$^+$)	
2503.00 *9*	(2$^+$,3$^+$)	J$^{\pi}$: (1 to 3).
2520.77 *13*	2$^-$,3$^-$,4$^-$	
2560.43 *16*	2$^-$	
2586.27 *4*		
2597.49 *6*		
2608.50 *11*		
2629.29 *9*	3$^+$,4$^+$	
2664.44 *6*	1$^-$,2$^-$	
2681.16 *4*	1$^+$	J$^{\pi}$: 1$^+$.
2688.22 *8*	(1$^+$)	
2739.16 *7*	2$^-$,3$^-$,4$^-$	
2767.86 *12*	(1)$^+$	
2799.85 *7*	(2)$^-$	
2813.84 *9*	1$^-$,2$^-$	
2844.72 *10*	1$^-$,2$^-$	
2867.69 *7*	0$^+$,1$^+$	
2943.33 *14*	(1$^-$,2$^-$)	
2948.76 *8*	(1$^-$,2$^-$)	
2953.35 *9*	(1,2)$^-$	
2987.96 *21*		
3010.18 *10*	3$^+$,4$^+$,5$^+$	
3026.09 *6*	(1$^-$,2$^-$)	
3045.95 *13*	(1$^-$,2$^-$)	
3048.82 *11*		
3077.29 *12*	(1$^-$,2$^-$)	
3091.37 *6*	(1$^-$,2$^-$)	
3099.08 *8*	(2$^+$,3,4$^+$)	
3110.86 *6*		
3141.74 *15*		
3151.97 *9*		
3165.77 *7*	(1,2,3)$^+$	
3208.95 *8*		
3247.83 *8*		
3287.36 *9*	$^+$	
3333.77 *5*	$^+$	
3342.06 *11*		
3371.23 *9*		
3397.63 *11*		
3432.37 *13*		
3479.48 *12*		
3487.05 *10*	(2$^+$,3$^+$)	
3508.84 *11*	(2$^+$,3,4$^+$)	
3535.49 *7*		
3583.53 *12*		
3601.00 *6*		
3636.56 *7*	1$^-$,2$^-$	
3705.08 *11*	2$^-$,3$^-$,4$^-$	
3750.30 *8*		
3780.19 *10*		
3814.66 *10*	1$^-$,2$^-$	
3896.38 *8*	(2$^-$)	
3934.58 *15*	(1$^-$,2$^-$)	
4013.69 *12*	(1$^+$,2,3$^+$)	
4056.98 *8*	(1,2)$^-$	
4116.41 *10*		

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^{65}Cu(n,γ) E=thermal 1983De29 (continued)

^{66}Cu Levels (continued)

E(level)[†]	J$^\pi$[‡]	Comments
4300.2 *3*		
4462.70 *10*	(1,2)$^-$	
4527.91 *9*	(1,2)$^-$	
4850.76 *8*		
5077.21 *8*		
7066.22 *2*	1$^-$,2$^-$	J$^\pi$: From s-wave neutron capture on 3/2$^-$ target. E(level): 7065.93 keV *9* in 2009AuZZ, 2003Au03.

[†] From least-squares fit to Eγ data.
[‡] From Adopted Levels.

γ(^{66}Cu)

E$_\gamma$[†]	I$_\gamma$[‡]	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
89.18 *4*	10.9 *11*	275.030	3$^+$	185.953	2$^+$
100.15 *23*	0.14 *5*	1678.00	1$^+$,2$^+$	1577.34	1$^+$,2$^+$,3$^+$
111.93 *13*	0.16 *3*	2023.315	(1,2)	1911.31	
114.36 *16*	0.107 *24*	3601.00		3487.05	(2$^+$,3$^+$)
186.01[&] *5*	41 *5*	185.953	2$^+$	0.0	1$^+$
190.10 *3*	0.83 *9*	465.165	2$^+$	275.030	3$^+$
194.47 *3*	0.76 *8*	1017.138	3$^+$	822.691	2$^+$
199.90[&] *7*	0.60 *8*	385.782	(1$^+$)	185.953	2$^+$
217.0 *5*	0.024 *15*	1560.15	$^+$	1344.012	1$^+$
234.26 *14*	0.19 *4*	2597.49		2363.63	
237.821 *11*	4.0 *3*	237.822		0.0	1$^+$
[x]247.48 *8*	0.193 *25*				
274.92 *9*	0.152 *20*	275.030	3$^+$	0.0	1$^+$
279.33[&] *11*	0.35 *7*	465.165	2$^+$	185.953	2$^+$
[x]283.38 *5*	0.28 *3*				
289.2 *3*	0.057 *22*	2953.35	(1,2)$^-$	2664.44	1$^-$,2$^-$
[x]291.8 *5*	0.028 *18*				
315.711[&] *21*	4.1 *3*	590.75	4$^+$	275.030	3$^+$
334.03 *16*	0.16 *3*	1678.00	1$^+$,2$^+$	1344.012	1$^+$
335.73 *11*	0.25 *3*	1158.09	(2$^+$,3)	822.691	2$^+$
[x]338.03 *13*	0.169 *23*				
340.19 *12*	0.157 *22*	2948.76	(1$^-$,2$^-$)	2608.50	
357.561 *21*	0.49 *3*	822.691	2$^+$	465.165	2$^+$
385.781[&] *12*	19.0 *11*	385.782	(1$^+$)	0.0	1$^+$
417.03 *6*	0.135 *13*	3814.66	1$^-$,2$^-$	3397.63	
422.01 *12*	0.096 *13*	1439.408	(1$^+$,2,3$^+$)	1017.138	3$^+$
426.372 *21*	0.56 *3*	1017.138	3$^+$	590.75	4$^+$
436.912[&] *12*	1.90 *10*	822.691	2$^+$	385.782	(1$^+$)
454.8 *5*	0.44 *21*	729.824	3$^+$	275.030	3$^+$
457.6 *5*	0.39 *20*	3535.49		3077.29	(1$^-$,2$^-$)
[x]460.8 *6*	0.30 *20*				
465.152[&] *12*	22.3 *11*	465.165	2$^+$	0.0	1$^+$
482.69 *10*	0.44 *5*	1694.07	(1)$^+$	1212.515	1$^+$,2$^+$
[x]525.96 *16*	0.053 *10*				
[x]531.24 *8*	0.113 *11*				
533.96 *7*	0.120 *11*	3333.77	$^+$	2799.85	(2)$^-$

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^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π
537.55 *8*	0.107 *10*	3583.53		3045.95	$(1^-,2^-)$
543.852& *13*	4.19 *15*	729.824	3^+	185.953	2^+
x547.552 *22*	0.74 *3*				
551.953 *22*	0.486 *21*	1017.138	3^+	465.165	2^+
556.46 *22*	0.055 *12*	3077.29	$(1^-,2^-)$	2520.77	$2^-,3^-,4^-$
567.35 *9*	0.169 *16*	1158.09	$(2^+,3)$	590.75	4^+
583.62 *8*	0.206 *16*	2023.315	(1,2)	1439.408	$(1^+,2,3^+)$
586.79 *5*	0.333 *19*	1052.082	1^+	465.165	2^+
622.69 *10*	0.090 *8*	1008.49		385.782	(1^+)
632.67 *6*	0.140 *9*	2453.05	$(1^+,2,3^+)$	1820.352	1^+
636.68 *3*	0.293 *12*	822.691	2^+	185.953	2^+
x645.99 *8*	0.110 *10*				
651.10 *13*	0.086 *10*	3750.30		3099.08	$(2^+,3,4^+)$
661.22 *9*	0.099 *9*	1713.20	(1^+)	1052.082	1^+
665.60@ *9*	0.097 *9*	3479.48		2813.84	$1^-,2^-$
679.30 *5*	0.166 *10*	2023.315	(1,2)	1344.012	1^+
x695.35 *19*	0.080 *13*				
714.66 *19*	0.72 *14*	1927.19	$1^+,2^+$	1212.515	$1^+,2^+$
723.99 *5*	0.537 *24*	1971.18	2^-	1247.152	4^-
x729.19 *6*	0.258 *16*				
x738.15 *17*	0.079 *13*				
741.94@ *3*	0.384 *15*	3371.23		2629.29	$3^+,4^+$
747.48 *3*	0.386 *15*	3333.77	$^+$	2586.27	
753.91 *4*	0.469 *16*	2681.16	1^+	1927.19	$1^+,2^+$
758.83@ *9*	0.171 *14*	1971.18	2^-	1212.515	$1^+,2^+$
768.305& *23*	1.00 *3*	1820.352	1^+	1052.082	1^+
770.64 *25*	0.094 *18*	3780.19		3010.18	$3^+,4^+,5^+$
788.42 *8*	0.160 *12*	3151.97		2363.63	
x797.9 *3*	0.039 *11*				
x808.21 *20*	0.23 *3*				
810.47 *19*	0.26 *3*	2023.315	(1,2)	1212.515	$1^+,2^+$
814.27 *4*	0.79 *3*	1052.082	1^+	237.822	
822.676 *16*	4.03 *7*	822.691	2^+	0.0	1^+
x826.80 *17*	0.125 *20*				
831.196 *16*	2.71 *5*	1017.138	3^+	185.953	2^+
x834.10 *7*	0.358 *21*				
847.42 *5*	0.41 *3*	1577.34	$1^+,2^+,3^+$	729.824	3^+
860.85 *10*	0.142 *14*	2681.16	1^+	1820.352	1^+
878.816 *24*	1.014 *22*	1344.012	1^+	465.165	2^+
883.03 *4*	0.365 *16*	1158.09	$(2^+,3)$	275.030	3^+
x899.14 *7*	0.141 *9*				
x903.18 *12*	0.079 *9*				
909.99@ *22*	0.043 *9*	1927.19	$1^+,2^+$	1017.138	3^+
x927.35 *14*	0.073 *10*				
937.507 *17*	1.143 *22*	1212.515	$1^+,2^+$	275.030	3^+
948.09 *3*	0.382 *12*	1678.00	$1^+,2^+$	729.824	3^+
956.74 *6*	0.53 *3*	1547.39	$1^+,2^+,3^+$	590.75	4^+
958.25 *9*	0.36 *3*	1344.012	1^+	385.782	(1^+)
x961.26 *4*	0.364 *14*				
972.108 *18*	1.94 *3*	1247.152	4^-	275.030	3^+
x976.27 *3*	0.349 *11*				
983.21 *8*	0.176 *13*	1713.20	(1^+)	729.824	3^+
987.18 *3*	0.522 *15*	2681.16	1^+	1694.07	$(1)^+$
993.48 *17*	0.087 *11*	2813.84	$1^-,2^-$	1820.352	1^+

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^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π
997.648& *18*	1.46 *3*	1820.352	1^+	822.691	2^+
1006.19 *6*	0.229 *14*	1735.96	$(4,5)^-$	729.824	3^+
x1014.07 *7*	0.231 *11*				
1017.1 *3*	0.086 *13*	2987.96		1971.18	2^-
x1019.46 *5*	0.404 *15*				
x1026.67 *7*	0.190 *12*				
1042.86@ *11*	0.30 *3*	3208.95		2166.01	$^+$
1052.19 *3*	1.99 *7*	1052.082	1^+	0.0	1^+
1053.88 *20*	0.31 *6*	2799.85	$(2)^-$	1745.89	(1,2)
1081.95 *12*	0.120 *11*	2629.29	$3^+,4^+$	1547.39	$1^+,2^+,3^+$
1088.64@ *10*	0.142 *10*	1911.31		822.691	2^+
1115.48 *23*	0.099 *16*	3636.56	$1^-,2^-$	2520.77	$2^-,3^-,4^-$
1120.8 *4*	0.057 *15*	3750.30		2629.29	$3^+,4^+$
x1135.78 *19*	0.075 *11*				
1139.65@ *4*	0.404 *14*	3110.86		1971.18	2^-
1146.79 *7*	0.195 *12*	2586.27		1439.408	$(1^+,2,3^+)$
1161.63 *16*	0.112 *12*	1547.39	$1^+,2^+,3^+$	385.782	(1^+)
x1164.71 *10*	0.166 *12*				
1180.8 *3*	0.041 *11*	1911.31		729.824	3^+
1197.21 *7*	0.71 *3*	1927.19	$1^+,2^+$	729.824	3^+
1208.8 *9*	0.05 *3*	2260.66		1052.082	1^+
1212.52 *4*	1.78 *6*	1212.515	$1^+,2^+$	0.0	1^+
1220.4 *6*	0.10 *4*	2767.86	$(1)^+$	1547.39	$1^+,2^+,3^+$
1253.28 *8*	0.184 *11*	2597.49		1344.012	1^+
x1261.72 *10*	0.137 *11*				
1272.32 *4*	0.628 *21*	1547.39	$1^+,2^+,3^+$	275.030	3^+
1280.20 *7*	0.227 *14*	3026.09	$(1^-,2^-)$	1745.89	(1,2)
1288.63 *21*	0.076 *13*	2018.36	$1^+,2^+,3^+$	729.824	3^+
1293.71 *7*	0.405 *24*	2023.315	(1,2)	729.824	3^+
1298.87@ *6*	0.50 *3*	3896.38	(2^-)	2597.49	
1303.03 *22*	0.14 *3*	4116.41		2813.84	$1^-,2^-$
1313.29 *17*	0.133 *17*	2560.43	2^-	1247.152	4^-
1322.16 *14*	0.165 *15*	1560.15	$^+$	237.822	
1343.4 *8*	0.034 *19*	1344.012	1^+	0.0	1^+
1355.18 *4*	2.25 *9*	1820.352	1^+	465.165	2^+
1374.41 *14*	0.241 *21*	2813.84	$1^-,2^-$	1439.408	$(1^+,2,3^+)$
1394.90@ *9*	0.273 *18*	2739.16	$2^-,3^-,4^-$	1344.012	1^+
1401.26 *21*	0.074 *13*	2948.76	$(1^-,2^-)$	1547.39	$1^+,2^+,3^+$
1408.4@ *3*	0.045 *10*	3432.37		2023.315	(1,2)
1416.38 *11*	0.129 *12*	3780.19		2363.63	
1428.18 *5*	0.76 *4*	2586.27		1158.09	$(2^+,3)$
x1435.26 *19*	0.219 *25*				
1439.37 *3*	1.88 *7*	1439.408	$(1^+,2,3^+)$	0.0	1^+
1450.6 *3*	0.14 *3*	2503.00	$(2^+,3^+)$	1052.082	1^+
1468.56 *12*	0.52 *4*	2681.16	1^+	1212.515	$1^+,2^+$
1471.05 *8*	0.76 *5*	1745.89	(1,2)	275.030	3^+
x1489.90 *16*	0.164 *17*				
1506.57@ *15*	0.225 *19*	2664.44	$1^-,2^-$	1158.09	$(2^+,3)$
1509.64 *18*	0.175 *17*	2948.76	$(1^-,2^-)$	1439.408	$(1^+,2,3^+)$
1515.3 *4*	0.054 *17*	3487.05	$(2^+,3^+)$	1971.18	2^-
1523.0 *4*	0.054 *13*	2681.16	1^+	1158.09	$(2^+,3)$
x1532.4 *3*	0.070 *17*				
1553.1 *3*	0.39 *7*	2799.85	$(2)^-$	1247.152	4^-
1557.4 *7*	0.42 *16*	2023.315	(1,2)	465.165	2^+

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^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π
1559.86 *6*	5.6 *3*	1745.89	(1,2)	185.953	2^+
x1574.0 *3*	0.096 *18*				
1582.51 *3*	1.60 *7*	1820.352	1^+	237.822	
1589.79 *20*	0.119 *17*	5077.21		3487.05	$(2^+,3^+)$
1607.34@ *18*	0.107 *14*	4056.98	$(1,2)^-$	2449.19	
1629.2 *3*	0.18 *3*	2681.16	1^+	1052.082	1^+
1633.89 *6*	1.09 *6*	2363.63		729.824	3^+
1637.49 *4*	2.37 *11*	2023.315	(1,2)	385.782	(1^+)
1647.33 *7*	0.390 *24*	2664.44	$1^-,2^-$	1017.138	3^+
1652.01 *6*	0.53 *3*	3091.37	$(1^-,2^-)$	1439.408	$(1^+,2,3^+)$
x1658.91 *10*	0.231 *18*				
1666.15 *13*	0.173 *17*	3010.18	$3^+,4^+,5^+$	1344.012	1^+
1670.32 *11*	0.211 *17*	3247.83		1577.34	$1^+,2^+,3^+$
1678.19@ *4*	0.78 *4*	1678.00	$1^+,2^+$	0.0	1^+
1682.00 *17*	0.143 *14*	3705.08	$2^-,3^-,4^-$	2023.315	(1,2)
1723.07 *12*	0.167 *14*	2453.05	$(1^+,2,3^+)$	729.824	3^+
1728.01@ *6*	0.441 *24*	4527.91	$(1,2)^-$	2799.85	$(2)^-$
1732.27@ *17*	0.127 *15*	3750.30		2018.36	$1^+,2^+,3^+$
1743.40 *5*	2.34 *12*	2018.36	$1^+,2^+,3^+$	275.030	3^+
1746.2@ *3*	1.08 *17*	1745.89	(1,2)	0.0	1^+
1748.0 *3*	0.59 *20*	2023.315	(1,2)	275.030	3^+
1761.6 *6*	0.064 *23*	2813.84	$1^-,2^-$	1052.082	1^+
1773.5 *3*	0.109 *20*	4850.76		3077.29	$(1^-,2^-)$
1799.84@ *14*	0.137 *13*	3535.49		1735.96	$(4,5)^-$
1806.57@ *17*	0.108 *13*	2629.29	$3^+,4^+$	822.691	2^+
1820.21 *6*	0.93 *5*	1820.352	1^+	0.0	1^+
1832.39@ *3*	1.22 *6*	2018.36	$1^+,2^+,3^+$	185.953	2^+
1837.44 *4*	0.71 *4*	2023.315	(1,2)	185.953	2^+
1843.71 *14*	0.145 *15*	3814.66	$1^-,2^-$	1971.18	2^-
1849.4 *3*	0.18 *3*	2124.09	2^-	275.030	3^+
1854.3 *4*	0.054 *14*	3601.00		1745.89	(1,2)
x1866.68 *3*	0.95 *5*				
1874.41@ *20*	0.083 *12*	2260.66		385.782	(1^+)
1890.61 *18*	0.140 *16*	3636.56	$1^-,2^-$	1745.89	(1,2)
1901.52 *16*	0.152 *17*	2953.35	$(1,2)^-$	1052.082	1^+
1912.13@ *17*	0.139 *14*	2503.00	$(2^+,3^+)$	590.75	4^+
1916.35 *22*	0.104 *13*	3934.58	$(1^-,2^-)$	2018.36	$1^+,2^+,3^+$
1929.63 *22*	0.158 *20*	2520.77	$2^-,3^-,4^-$	590.75	4^+
x1939.87 *12*	0.36 *3*				
1944.97 *24*	0.19 *3*	2767.86	$(1)^+$	822.691	2^+
1966.29@ *11*	0.194 *17*	5077.21		3110.86	
1975.26@ *12*	0.187 *16*	3535.49		1560.15	$^+$
1980.01 *8*	0.338 *23*	2166.01	$^+$	185.953	2^+
1985.73 *14*	0.236 *22*	2260.66		275.030	3^+
1988.92@ *10*	0.36 *3*	7066.22	$1^-,2^-$	5077.21	
2004.42@ *10*	0.246 *21*	3750.30		1745.89	(1,2)
2023.55 *6*	0.47 *3*	3601.00		1577.34	$1^+,2^+,3^+$
2039.33 *25*	0.083 *14*	3091.37	$(1^-,2^-)$	1052.082	1^+
x2046.00 *15*	0.143 *17*				
2059.9 *3*	0.067 *12*	3077.29	$(1^-,2^-)$	1017.138	3^+
x2068.26 *14*	0.149 *16*				
2082.6 *3*	0.071 *16*	3099.08	$(2^+,3,4^+)$	1017.138	3^+

Continued on next page (footnotes at end of table)

^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π
x2091.36 *10*	0.294 *22*				
2095.76 *13*	0.205 *18*	3535.49		1439.408	$(1^+,2,3^+)$
x2110.44 *6*	0.61 *4*				
2114.78 *20*	0.159 *19*	2844.72	$1^-,2^-$	729.824	3^+
2120.25 *25*	0.146 *19*	2394.93		275.030	3^+
2123.95 *19*	0.161 *17*	2124.09	2^-	0.0	1^+
2131.25@ *22*	0.114 *18*	2953.35	$(1,2)^-$	822.691	2^+
2144.22 *24*	0.186 *23*	3583.53		1439.408	$(1^+,2,3^+)$
x2147.27 *25*	0.202 *24*				
x2151.31 *11*	0.265 *21*				
2160.4@ *3*	0.130 *22*	3896.38	(2^-)	1735.96	$(4,5)^-$
2163.22@ *11*	0.40 *3*	2163.12	$^-$	0.0	1^+
2177.87 *15*	0.164 *17*	2453.05	$(1^+,2,3^+)$	275.030	3^+
2215.88 *17*	1.63 *20*	7066.22	$1^-,2^-$	4850.76	
2254.5 *9*	0.09 *5*	3077.29	$(1^-,2^-)$	822.691	2^+
x2278.2 *3*	0.071 *13*				
2315.7 *3*	0.21 *4*	3045.95	$(1^-,2^-)$	729.824	3^+
2371.4 *4*	0.13 *4*	3583.53		1212.515	$1^+,2^+$
2380.34 *18*	0.21 *3*	3432.37		1052.082	1^+
2389.3 *4*	0.100 *23*	2664.44	$1^-,2^-$	275.030	3^+
2400.0@ *3*	0.16 *3*	2586.27		185.953	2^+
2402.83 *24*	0.22 *3*	2867.69	$0^+,1^+$	465.165	2^+
2411.58 *12*	0.36 *3*	2597.49		185.953	2^+
2423.94 *18*	0.191 *22*	3636.56	$1^-,2^-$	1212.515	$1^+,2^+$
2436.7 *4*	0.13 *3*	3165.77	$(1,2,3)^+$	729.824	3^+
x2439.35 *14*	0.42 *4*				
2448.7 *4*	0.15 *4*	2449.19		0.0	1^+
2450.91@ *23*	0.29 *5*	2688.22	(1^+)	237.822	
2457.66 *18*	0.183 *21*	3705.08	$2^-,3^-,4^-$	1247.152	4^-
2478.2 *5*	0.17 *5*	3487.05	$(2^+,3^+)$	1008.49	
2488.4@ *4*	0.24 *5*	2953.35	$(1,2)^-$	465.165	2^+
2492.0 *8*	0.11 *5*	3508.84	$(2^+,3,4^+)$	1017.138	3^+
2508.3 *7*	0.11 *5*	3099.08	$(2^+,3,4^+)$	590.75	4^+
2539.3 *6*	0.07 *3*	7066.22	$1^-,2^-$	4527.91	$(1,2)^-$
2545.2@ *5*	0.08 *3*	3010.18	$3^+,4^+,5^+$	465.165	2^+
2553.1 *3*	0.15 *3*	2739.16	$2^-,3^-,4^-$	185.953	2^+
2557.8 *5*	0.093 *25*	2943.33	$(1^-,2^-)$	385.782	(1^+)
2561.3 *6*	0.068 *24*	2560.43	2^-	0.0	1^+
2569.26 *21*	0.176 *23*	2844.72	$1^-,2^-$	275.030	3^+
2584.3 *4*	0.090 *22*	3636.56	$1^-,2^-$	1052.082	1^+
2603.3 *3*	0.23 *4*	7066.22	$1^-,2^-$	4462.70	$(1,2)^-$
2608.5@ *3*	0.26 *4*	2608.50		0.0	1^+
2612.1 *4*	0.27 *4*	3077.29	$(1^-,2^-)$	465.165	2^+
2615.2 *8*	0.12 *4*	2799.85	$(2)^-$	185.953	2^+
2619.14@ *24*	0.28 *4*	3636.56	$1^-,2^-$	1017.138	3^+
2629.61 *12*	0.71 *5*	2867.69	$0^+,1^+$	237.822	
2641.3 *3*	0.20 *4*	3371.23		729.824	3^+
2664.17 *16*	0.34 *3*	2664.44	$1^-,2^-$	0.0	1^+
2673.42@ *16*	0.32 *3*	2948.76	$(1^-,2^-)$	275.030	3^+
2680.38@ *13*	0.48 *3*	2681.16	1^+	0.0	1^+
2687.88 *12*	0.52 *3*	2688.22	(1^+)	0.0	1^+
2700.26@ *10*	0.72 *4*	3165.77	$(1,2,3)^+$	465.165	2^+
2708.2@ *4*	0.13 *3*	4527.91	$(1,2)^-$	1820.352	1^+

Continued on next page (footnotes at end of table)

^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π
2713.3 *5*	0.10 *3*	3099.08	$(2^+,3,4^+)$	385.782	(1^+)
2758.8@ *5*	0.15 *4*	2943.33	$(1^-,2^-)$	185.953	2^+
2766.2 *5*	0.12 *4*	7066.22	$1^-,2^-$	4300.2	
2770.7 *8*	0.08 *3*	3045.95	$(1^-,2^-)$	275.030	3^+
x2781.5 *5*	0.10 *3*				
2806.9 *3*	0.14 *3*	3397.63		590.75	4^+
2821.76@ *13*	0.73 *5*	3287.36	$^+$	465.165	2^+
2824.8 *6*	0.12 *4*	3010.18	$3^+,4^+,5^+$	185.953	2^+
x2856.36 *16*	0.263 *23*				
2862.63@ *13*	0.44 *3*	3048.82		185.953	2^+
2866.61@ *15*	0.39 *3*	3141.74		275.030	3^+
2870.7 *5*	0.078 *20*	3601.00		729.824	3^+
2876.19 *21*	0.171 *20*	3151.97		275.030	3^+
2890.6 *3*	0.125 *20*	3077.29	$(1^-,2^-)$	185.953	2^+
2896.9@ *4*	0.087 *20*	3487.05	$(2^+,3^+)$	590.75	4^+
2901.2@ *3*	0.119 *21*	3287.36	$^+$	385.782	(1^+)
2912.57@ *18*	0.158 *16*	3099.08	$(2^+,3,4^+)$	185.953	2^+
2918.0 *4*	0.065 *14*	3508.84	$(2^+,3,4^+)$	590.75	4^+
x2935.05 *13*	0.254 *18*				
2949.5# *4*	0.19 *3*	7066.22	$1^-,2^-$	4116.41	
2952.64 *21*	0.33 *4*	2953.35	$(1,2)^-$	0.0	1^+
2968.8@ *4*	0.112 *24*	4527.91	$(1,2)^-$	1560.15	$^+$
2986.9 *6*	0.074 *24*	2987.96		0.0	1^+
2991.1@ *4*	0.120 *25*	3814.66	$1^-,2^-$	822.691	2^+
2996.78@ *16*	0.33 *3*	4013.69	$(1^+,2,3^+)$	1017.138	3^+
3009.32@ *13*	0.297 *21*	7066.22	$1^-,2^-$	4056.98	$(1,2)^-$
3021.72@ *21*	0.216 *22*	3487.05	$(2^+,3^+)$	465.165	2^+
3025.77@ *12*	0.47 *3*	3026.09	$(1^-,2^-)$	0.0	1^+
3045.46 *23*	0.23 *3*	3636.56	$1^-,2^-$	590.75	4^+
3052.91 *19*	0.230 *23*	7066.22	$1^-,2^-$	4013.69	$(1^+,2,3^+)$
3067.2@ *3*	0.16 *3*	3342.06		275.030	3^+
x3071.8 *4*	0.13 *3*				
3090.95@ *25*	0.161 *23*	3091.37	$(1^-,2^-)$	0.0	1^+
3111.4 *4*	0.096 *24*	3110.86		0.0	1^+
3121.3@ *5*	0.11 *3*	3397.63		275.030	3^+
3131.70#@ *25*	0.173 *23*	7066.22	$1^-,2^-$	3934.58	$(1^-,2^-)$
3137.18@ *17*	0.30 *3*	4850.76		1713.20	(1^+)
3165.8 *3*	0.21 *3*	3165.77	$(1,2,3)^+$	0.0	1^+
3169.4#@ *4*	0.20 *3*	7066.22	$1^-,2^-$	3896.38	(2^-)
3172.95@ *11*	0.73 *4*	4850.76		1678.00	$1^+,2^+$
x3184.49 *9*	0.81 *3*				
3208.1@ *3*	0.110 *20*	3208.95		0.0	1^+
x3225.8 *5*	0.076 *20*				
x3230.1 *7*	0.057 *19*				
3241.9@ *4*	0.14 *3*	3479.48		237.822	
3251.26# *24*	0.24 *3*	7066.22	$1^-,2^-$	3814.66	$1^-,2^-$
3270.78@ *14*	0.57 *4*	3508.84	$(2^+,3,4^+)$	237.822	
3275.2@ *7*	0.08 *3*	4850.76		1577.34	$1^+,2^+,3^+$
3285.85@ *18*	0.33 *3*	7066.22	$1^-,2^-$	3780.19	

Continued on next page (footnotes at end of table)

^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π
3293.49 *11*	0.72 *4*	4116.41		822.691	2^+
3307.4@ *6*	0.11 *3*	3583.53		275.030	3^+
3316.04@ *18*	0.33 *3*	7066.22	$1^-,2^-$	3750.30	
3322.2@ *6*	0.08 *3*	3508.84	$(2^+,3,4^+)$	185.953	2^+
x3327.2 *6*	0.08 *3*				
3348.5@ *3*	0.113 *14*	3814.66	$1^-,2^-$	465.165	2^+
3361.11 *18*	0.152 *15*	7066.22	$1^-,2^-$	3705.08	$2^-,3^-,4^-$
3383.6@ *3*	0.124 *20*	5077.21		1694.07	$(1)^+$
x3402.63 *18*	0.240 *23*				
x3424.85 *17*	0.225 *18*				
3429.40 *9*	1.05 *3*	7066.22	$1^-,2^-$	3636.56	$1^-,2^-$
3450.3@ *3*	0.093 *16*	3636.56	$1^-,2^-$	185.953	2^+
x3456.2 *4*	0.063 *16*				
3465.00@ *10*	0.64 *3*	7066.22	$1^-,2^-$	3601.00	
3476.9 *5*	0.078 *18*	4300.2		822.691	2^+
3482.51@ *17*	0.33 *3*	7066.22	$1^-,2^-$	3583.53	
3486.2@ *6*	0.076 *22*	3487.05	$(2^+,3^+)$	0.0	1^+
3530.56@ *10*	0.71 *3*	7066.22	$1^-,2^-$	3535.49	
3548.6@ *3*	0.128 *18*	3934.58	$(1^-,2^-)$	385.782	(1^+)
3556.99@ *18*	0.42 *4*	7066.22	$1^-,2^-$	3508.84	$(2^+,3,4^+)$
x3560.1 *3*	0.28 *3*				
3563.7@ *4*	0.120 *23*	3750.30		185.953	2^+
3578.0#@ *3*	0.116 *18*	7066.22	$1^-,2^-$	3487.05	$(2^+,3^+)$
3586.2#@ *5*	0.075 *18*	7066.22	$1^-,2^-$	3479.48	
x3606.6 *3*	0.115 *16*				
x3613.8 *3*	0.135 *20*				
3627.9 *3*	0.107 *15*	4013.69	$(1^+,2,3^+)$	385.782	(1^+)
3633.54@ *22*	0.142 *15*	7066.22	$1^-,2^-$	3432.37	
3668.23@ *25*	0.093 *13*	7066.22	$1^-,2^-$	3397.63	
x3687.2 *3*	0.073 *11*				
3695.05#@ *17*	0.146 *13*	7066.22	$1^-,2^-$	3371.23	
3724.08@ *11*	0.470 *25*	7066.22	$1^-,2^-$	3342.06	
3732.12# *19*	0.245 *21*	7066.22	$1^-,2^-$	3333.77	+
x3736.53 *19*	0.248 *21*				
x3743.9 *5*	0.061 *7*				
x3760.0 *5*	0.055 *14*				
x3772.25 *25*	0.121 *15*				
3778.38@ *12*	0.482 *22*	7066.22	$1^-,2^-$	3287.36	+
3782.18@ *17*	0.281 *20*	4056.98	$(1,2)^-$	275.030	3^+
x3788.97 *14*	0.283 *17*				
x3794.16 *18*	0.192 *16*				
3814.2@ *4*	0.065 *13*	3814.66	$1^-,2^-$	0.0	1^+
3818.14#@ *10*	0.505 *17*	7066.22	$1^-,2^-$	3247.83	
3835.8@ *5*	0.038 *10*	4300.2		465.165	2^+
3857.00@ *10*	0.418 *17*	7066.22	$1^-,2^-$	3208.95	
3871.04@ *11*	0.427 *17*	4056.98	$(1,2)^-$	185.953	2^+
x3881.7 *6*	0.037 *11*				
x3891.7 *5*	0.056 *12*				
3896.3@ *4*	0.110 *16*	3896.38	(2^-)	0.0	1^+

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^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π
3900.18@ 8	1.21 3	7066.22	$1^-,2^-$	3165.77	$(1,2,3)^+$
3914.0#@ 3	0.066 12	7066.22	$1^-,2^-$	3151.97	
3923.8#@ 6	0.037 11	7066.22	$1^-,2^-$	3141.74	
3955.1#@ 4	0.097 21	7066.22	$1^-,2^-$	3110.86	
3966.99@ 12	0.428 22	7066.22	$1^-,2^-$	3099.08	$(2^+,3,4^+)$
3974.97@ 13	0.391 21	7066.22	$1^-,2^-$	3091.37	$(1^-,2^-)$
3988.21@ 25	0.129 16	7066.22	$1^-,2^-$	3077.29	$(1^-,2^-)$
x4000.15 17	0.222 17				
4016.95@ 18	0.33 3	7066.22	$1^-,2^-$	3048.82	
4020.3@ 6	0.099 23	7066.22	$1^-,2^-$	3045.95	$(1^-,2^-)$
4024.9@ 7	0.046 16	4300.2		275.030	3^+
4039.82@ 11	0.75 3	7066.22	$1^-,2^-$	3026.09	$(1^-,2^-)$
4055.62# 19	0.248 22	7066.22	$1^-,2^-$	3010.18	$3^+,4^+,5^+$
4078.2@ 3	0.134 18	7066.22	$1^-,2^-$	2987.96	
x4102.6 6	0.056 22				
x4109.7 15	0.04 3				
4113.25 19	0.62 4	7066.22	$1^-,2^-$	2953.35	$(1,2)^-$
4117.22#@ 12	0.88 4	7066.22	$1^-,2^-$	2948.76	$(1^-,2^-)$
4122.91@ 15	0.330 23	7066.22	$1^-,2^-$	2943.33	$(1^-,2^-)$
x4153.80 25	0.153 19				
x4167.3 8	0.036 15				
x4174.2 8	0.034 14				
4198.32@ 9	1.09 3	7066.22	$1^-,2^-$	2867.69	$0^+,1^+$
4221.20@ 12	0.350 17	7066.22	$1^-,2^-$	2844.72	$1^-,2^-$
x4243.7 6	0.036 13				
4251.95#@ 20	0.128 14	7066.22	$1^-,2^-$	2813.84	$1^-,2^-$
4266.54@ 24	0.115 12	7066.22	$1^-,2^-$	2799.85	$(2)^-$
x4271.7 4	0.088 13				
4276.58@ 10	0.591 18	4462.70	$(1,2)^-$	185.953	2^+
4298.14@ 14	0.227 13	7066.22	$1^-,2^-$	2767.86	$(1)^+$
4326.66@ 9	0.846 19	7066.22	$1^-,2^-$	2739.16	$2^-,3^-,4^-$
4377.75@ 10	0.77 3	7066.22	$1^-,2^-$	2688.22	(1^+)
4385.13#@ 9	3.50 6	7066.22	$1^-,2^-$	2681.16	1^+
4401.69@ 10	1.03 3	7066.22	$1^-,2^-$	2664.44	$1^-,2^-$
4435.2#@ 7	0.055 18	7066.22	$1^-,2^-$	2629.29	$3^+,4^+$
x4440.6 5	0.082 18				
4457.73#@ 19	0.223 20	7066.22	$1^-,2^-$	2608.50	
4468.58#@ 17	0.267 20	7066.22	$1^-,2^-$	2597.49	
4479.82#@ 10	1.07 3	7066.22	$1^-,2^-$	2586.27	
4506.9#@ 6	0.055 15	7066.22	$1^-,2^-$	2560.43	2^-
4545.2@ 4	0.044 9	7066.22	$1^-,2^-$	2520.77	$2^-,3^-,4^-$
4562.96#@ 11	0.335 12	7066.22	$1^-,2^-$	2503.00	$(2^+,3^+)$
x4572.4 5	0.051 10				
x4576.8 3	0.093 11				
4612.55# 15	0.382 22	7066.22	$1^-,2^-$	2453.05	$(1^+,2,3^+)$
4617.8#@ 3	0.172 18	7066.22	$1^-,2^-$	2449.19	
4671.20@ 12	0.196 9	7066.22	$1^-,2^-$	2394.93	

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^{65}Cu(n,γ) E=thermal 1983De29 (continued)

$\gamma(^{66}Cu)$ (continued)

E_γ [†]	I_γ [‡]	E_i(level)	J_i^π	E_f	J_f^π
[x]4699.0 *5*	0.044 *9*				
4703.4[@] *4*	0.051 *9*	7066.22	$1^-,2^-$	2363.63	
[x]4795.39 *11*	0.289 *10*				
4805.30[#@] *12*	0.232 *9*	7066.22	$1^-,2^-$	2260.66	
4900.15[@] *23*	0.32 *4*	7066.22	$1^-,2^-$	2166.01	$^+$
4903.09[#@] *13*	0.77 *4*	7066.22	$1^-,2^-$	2163.12	$^-$
4941.94[@] *12*	0.372 *17*	7066.22	$1^-,2^-$	2124.09	2^-
5043.00[#@] *9*	5.86 *11*	7066.22	$1^-,2^-$	2023.315	(1,2)
5047.98[@] *10*	3.50 *9*	7066.22	$1^-,2^-$	2018.36	$1^+,2^+,3^+$
5138.98[#@] *21*	0.263 *25*	7066.22	$1^-,2^-$	1927.19	$1^+,2^+$
5245.88[#@&] *9*	7.30 *14*	7066.22	$1^-,2^-$	1820.352	1^+
5320.23[#@] *9*	6.15 *13*	7066.22	$1^-,2^-$	1745.89	(1,2)
5388.12[#@] *10*	0.532 *14*	7066.22	$1^-,2^-$	1678.00	$1^+,2^+$
5488.65[#@] *18*	0.093 *7*	7066.22	$1^-,2^-$	1577.34	$1^+,2^+,3^+$
5505.56[#@] *18*	0.095 *7*	7066.22	$1^-,2^-$	1560.15	$^+$
5518.73[#@] *10*	0.659 *16*	7066.22	$1^-,2^-$	1547.39	$1^+,2^+,3^+$
5626.9[#@] *4*	0.045 *7*	7066.22	$1^-,2^-$	1439.408	$(1^+,2,3^+)$
5722.03[#@] *10*	0.383 *9*	7066.22	$1^-,2^-$	1344.012	1^+
5853.41[#@] *10*	1.112 *18*	7066.22	$1^-,2^-$	1212.515	$1^+,2^+$
5907.9[@] *4*	0.035 *6*	7066.22	$1^-,2^-$	1158.09	$(2^+,3)$
6013.46[#@] *18*	0.120 *7*	7066.22	$1^-,2^-$	1052.082	1^+
6048.84[#@] *10*	1.71 *3*	7066.22	$1^-,2^-$	1017.138	3^+
6243.19[#@] *10*	2.44 *4*	7066.22	$1^-,2^-$	822.691	2^+
6336.16[#@] *15*	0.144 *7*	7066.22	$1^-,2^-$	729.824	3^+
6600.66[#@&] *11*	14.4 *3*	7066.22	$1^-,2^-$	465.165	2^+
6680.01[#@&] *11*	13.80 *23*	7066.22	$1^-,2^-$	385.782	(1^+)
6790.64[#@] *11*	2.63 *4*	7066.22	$1^-,2^-$	275.030	3^+
6828.1[@] *8*	0.022 *7*	7066.22	$1^-,2^-$	237.822	
6879.82[#@] *12*	0.351 *9*	7066.22	$1^-,2^-$	185.953	2^+
7065.72[#@] *11*	2.23 *4*	7066.22	$1^-,2^-$	0.0	1^+

[†] From 1983De29.
[‡] From 1983De29; these authors give absolute intensities (per 100 neutrons captured) by imposing the condition $\Sigma I\gamma E\gamma=100Q$ where Q=7065.97 *11* and the sum is over all observed γ rays, placed or unplaced in the level scheme.
[#] Transition seen also in the 2^- and/or 24-keV capture spectra.
[@] Based on level energies, placement of this transition is the only possible one in the level scheme of 1983De29.
[&] Placement of this transition also reported from coincidence experiments in 1968Sh01 and 1972Bl16.
[x] γ ray not placed in level scheme.

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme

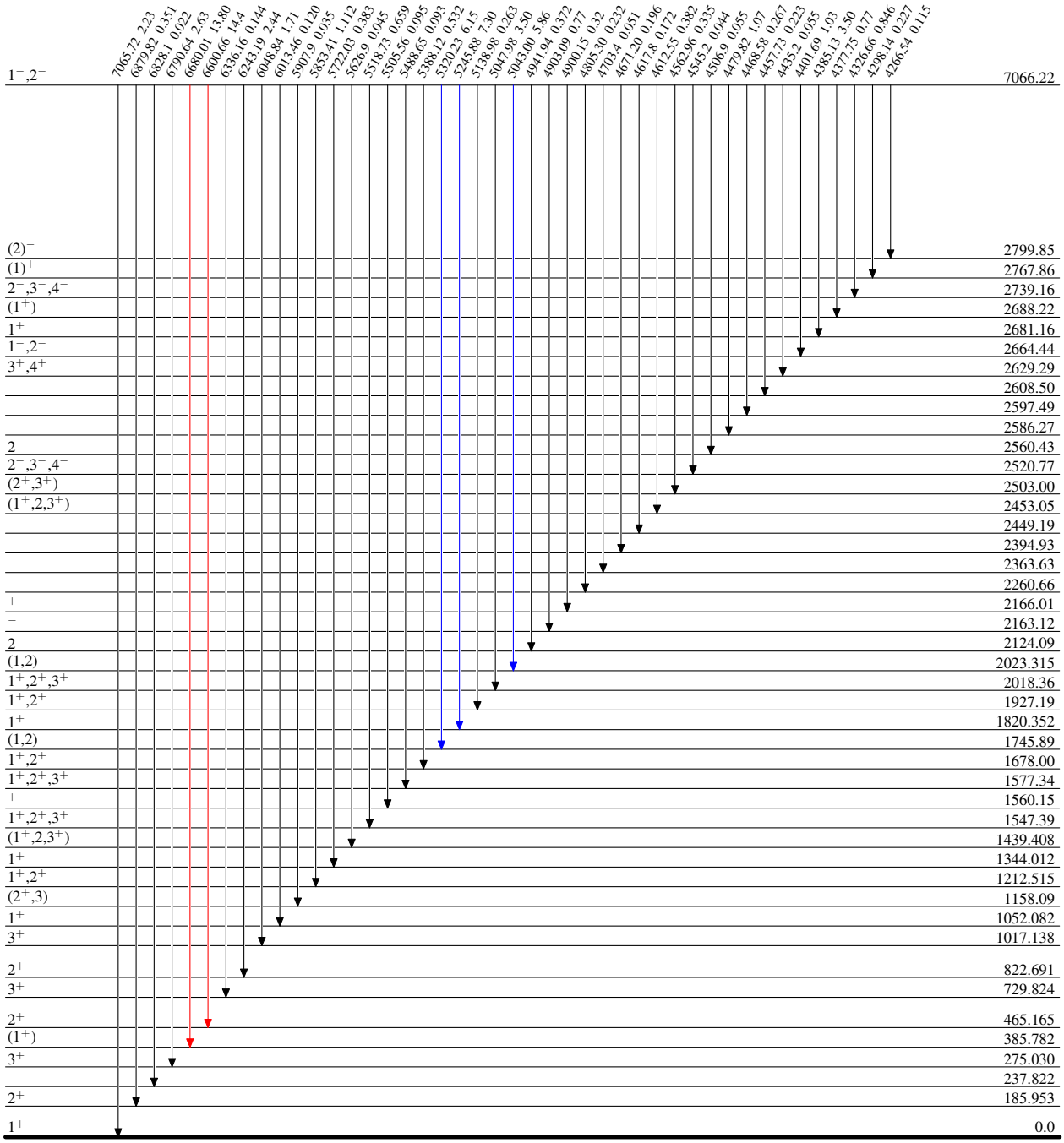
Intensities: Relative I_γ

Legend

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

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

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



$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

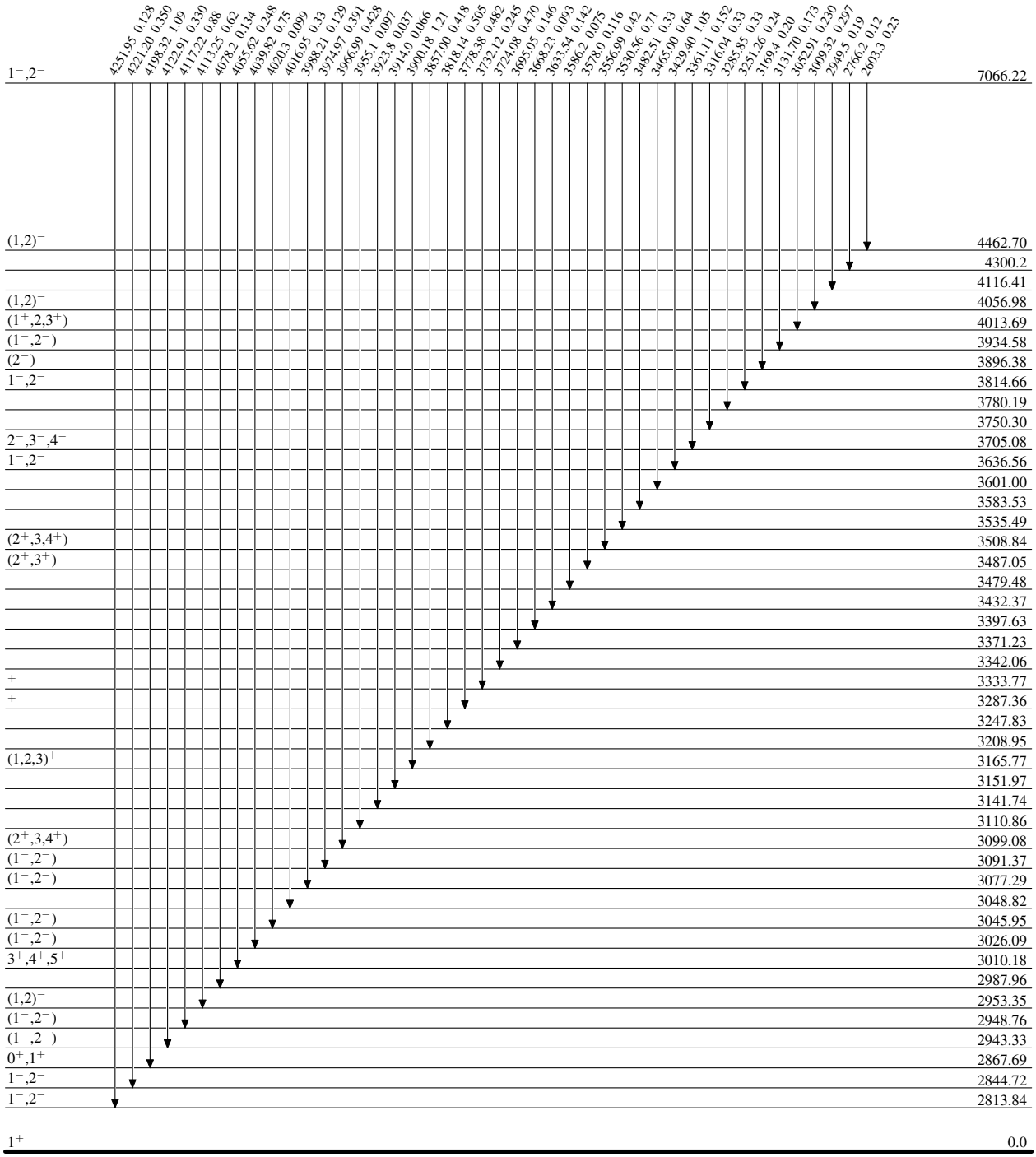
Intensities: Relative I_γ

Legend

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

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

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



$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

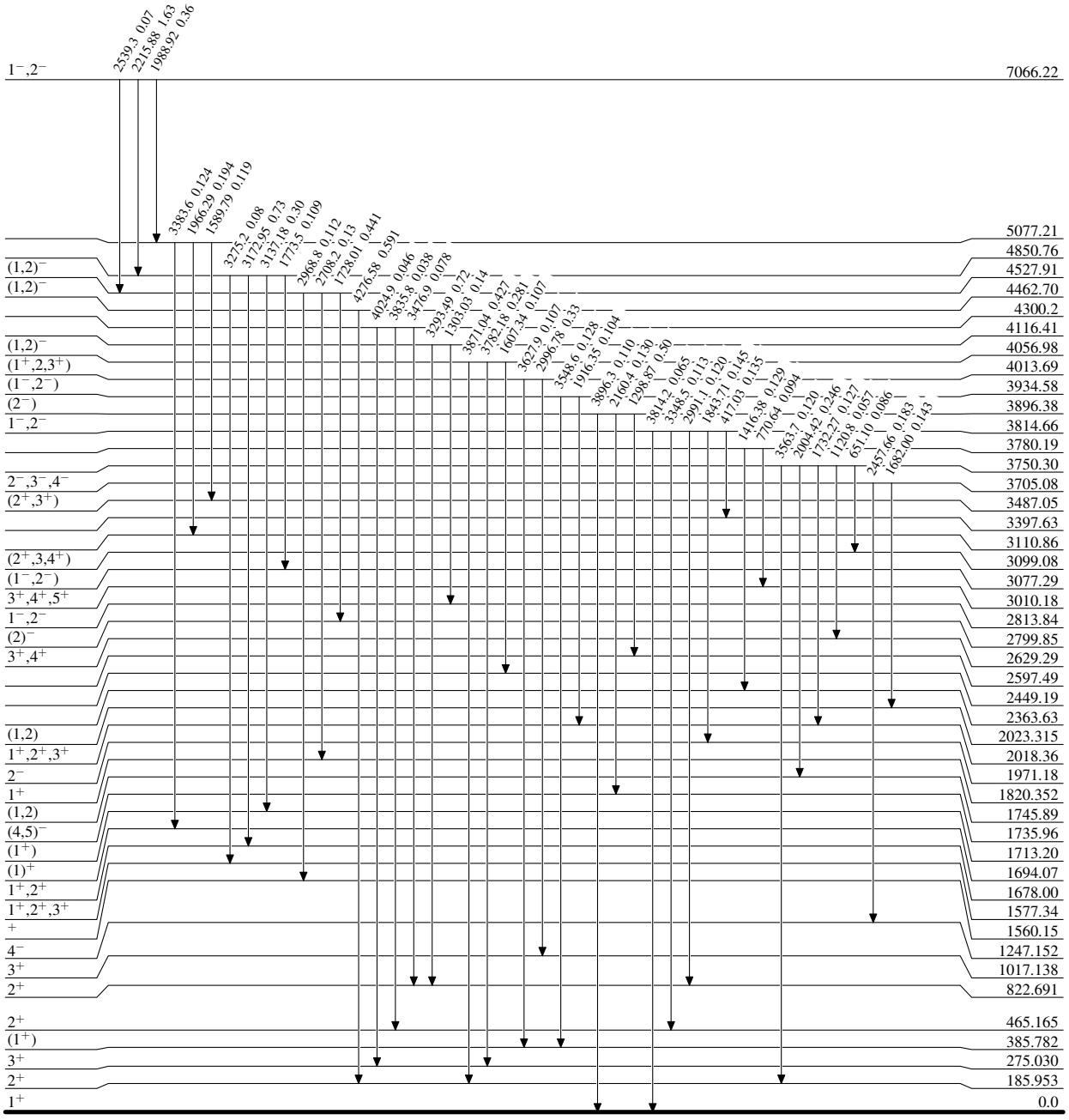
Intensities: Relative I_γ

Legend

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

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

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



$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

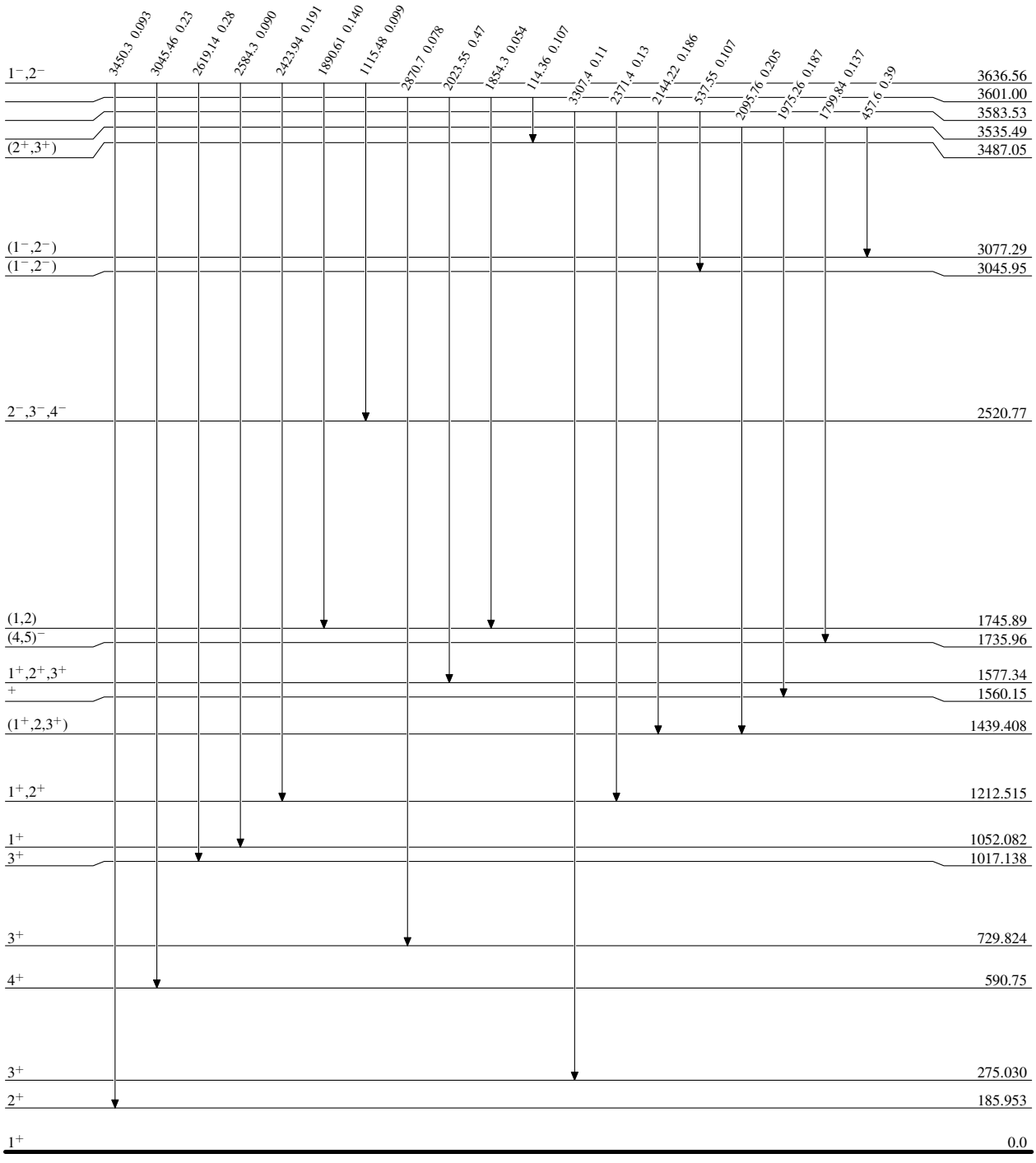
Intensities: Relative I_γ

Legend

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

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

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



$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

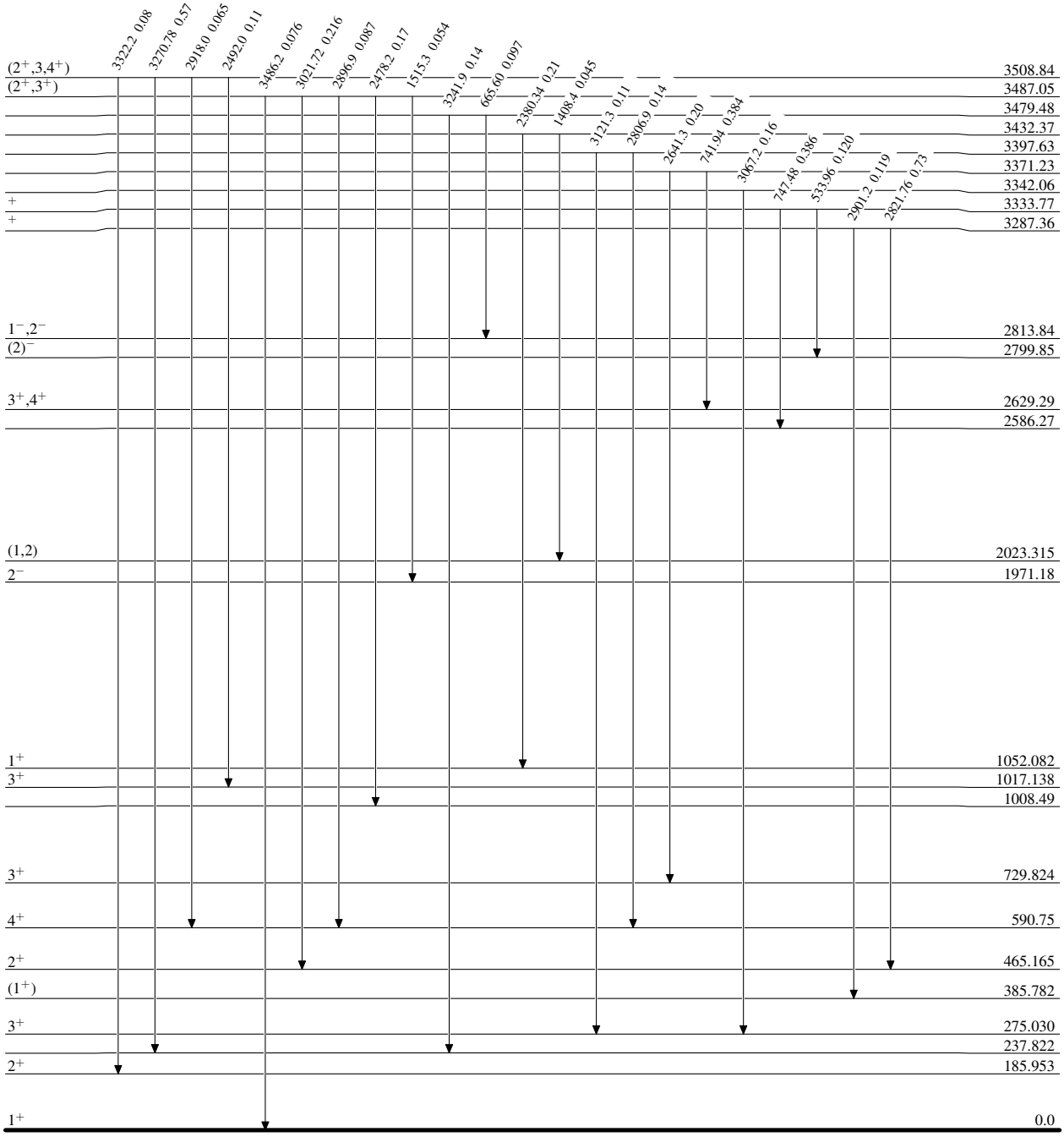
Intensities: Relative I_γ

Legend

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

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

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

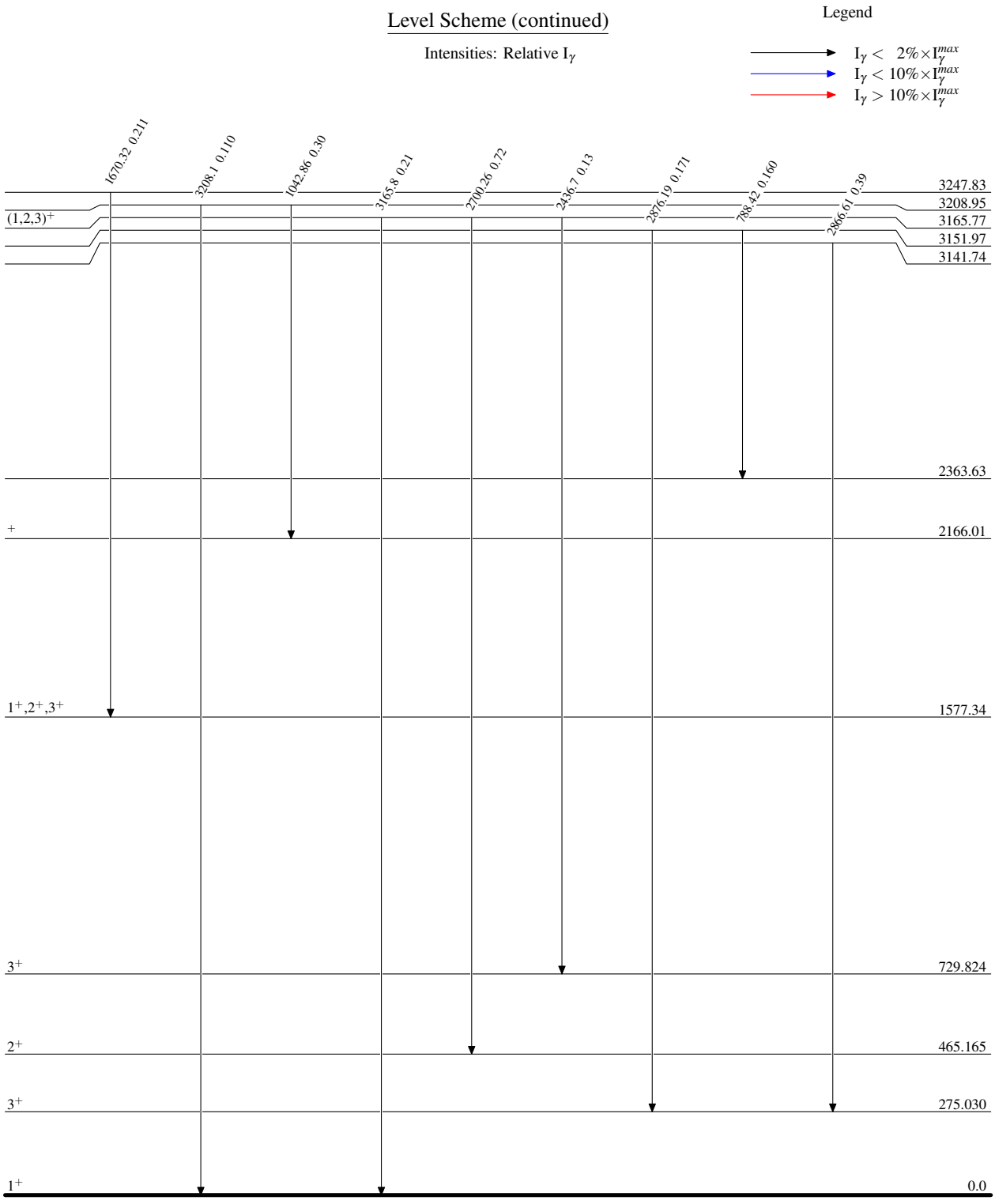


$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

Intensities: Relative I_γ

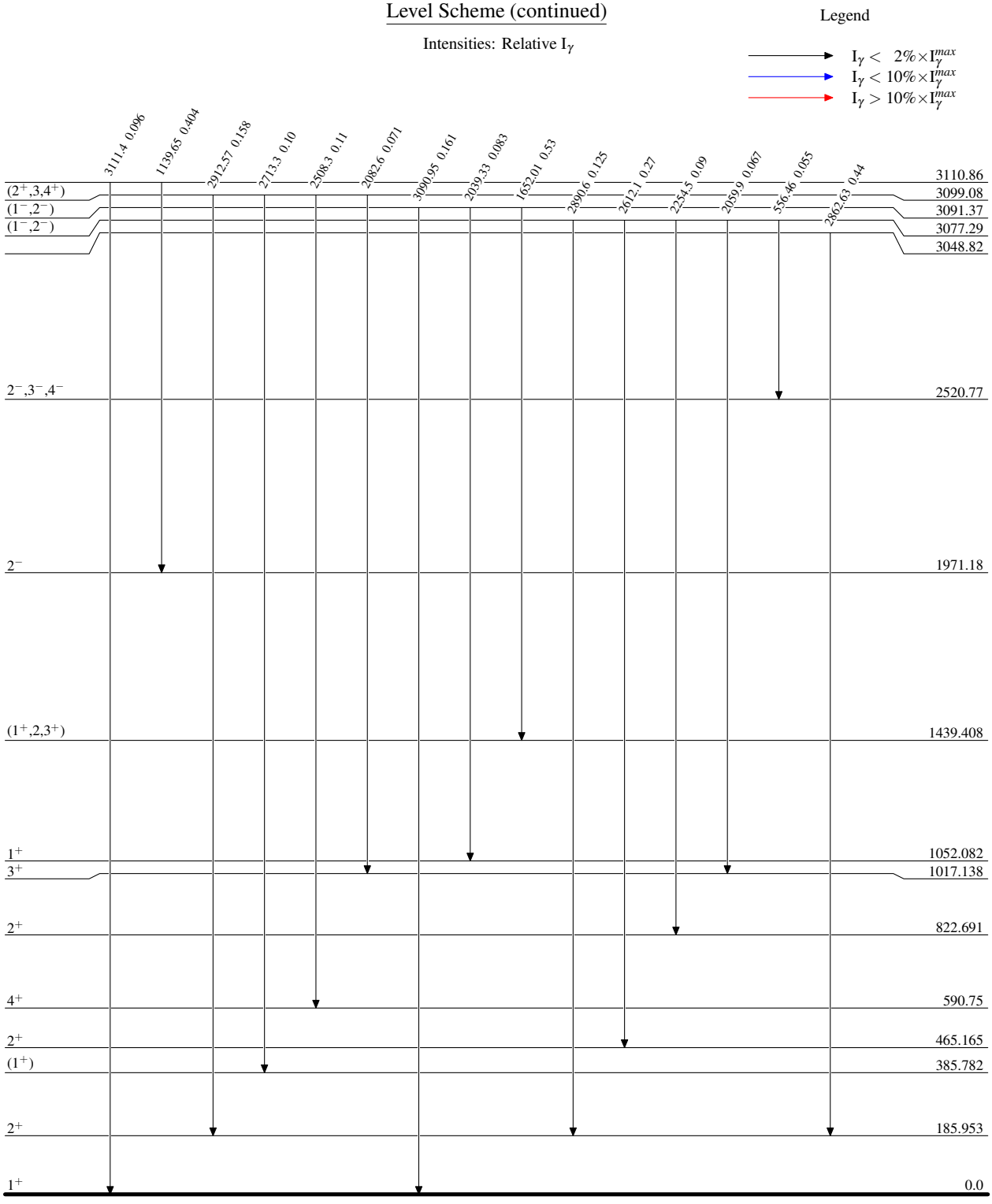


$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

Intensities: Relative I_γ



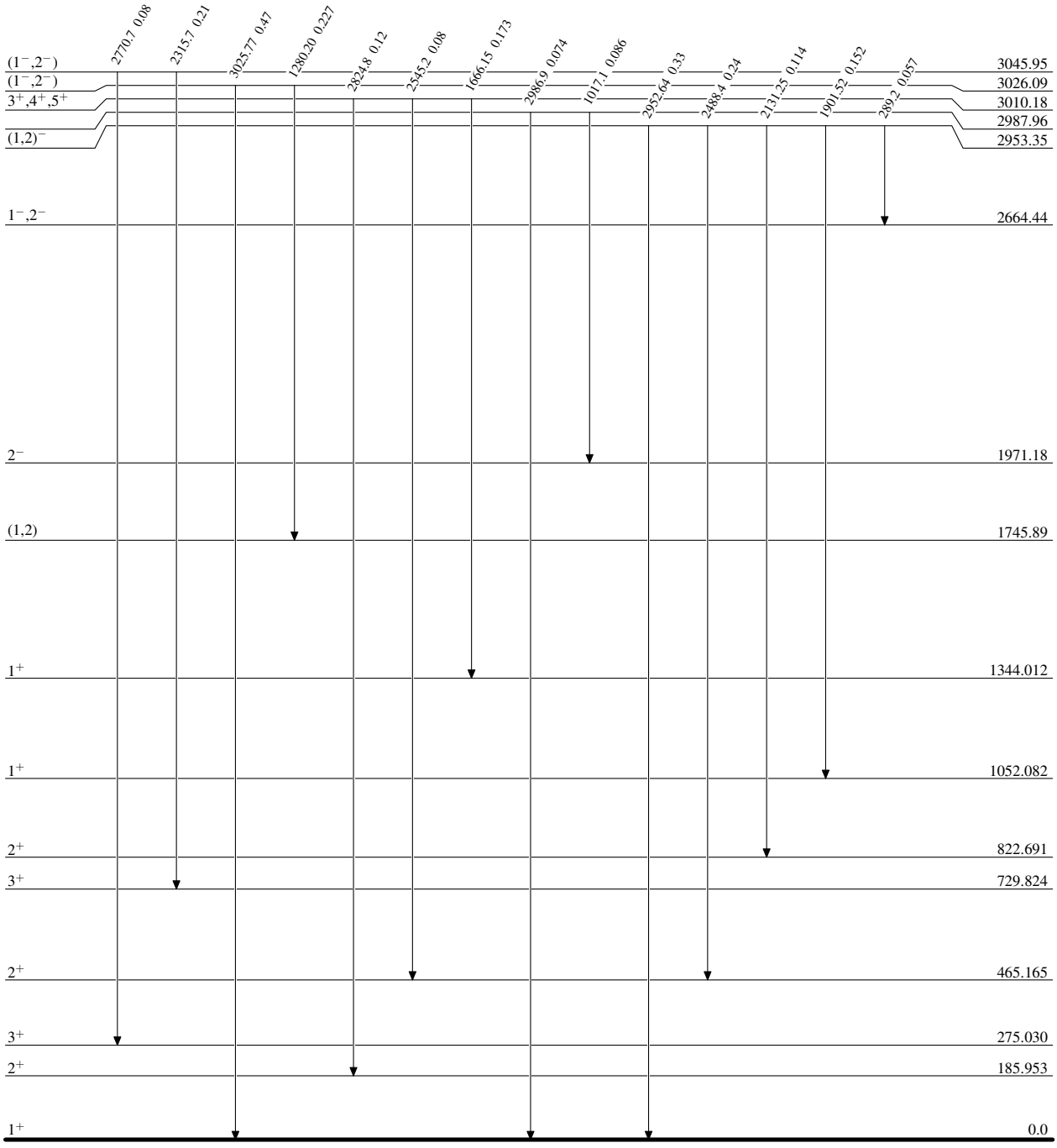
$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

Intensities: Relative I_γ

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



$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

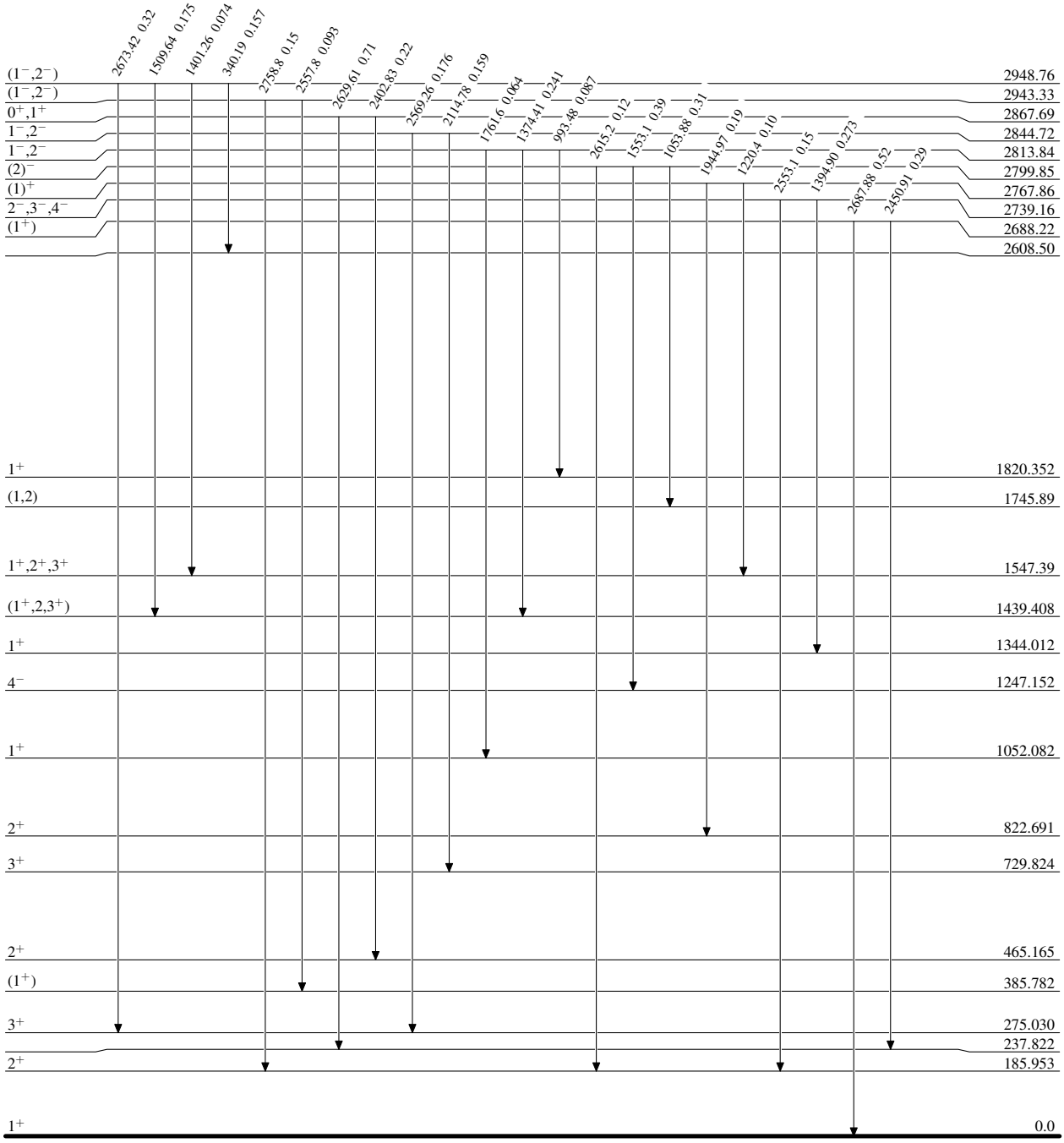
Intensities: Relative I_γ

Legend

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

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

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

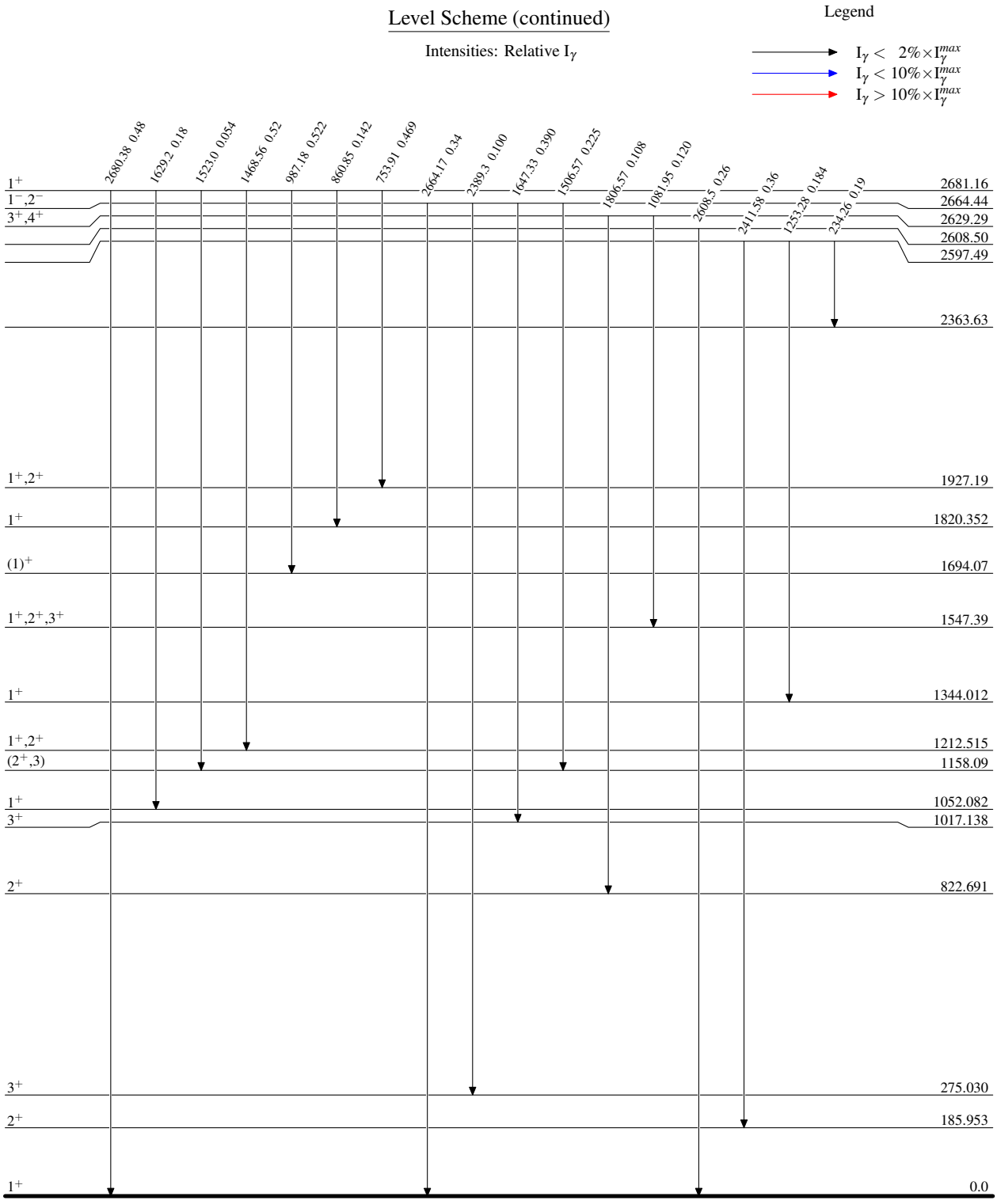


$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

Intensities: Relative I_γ

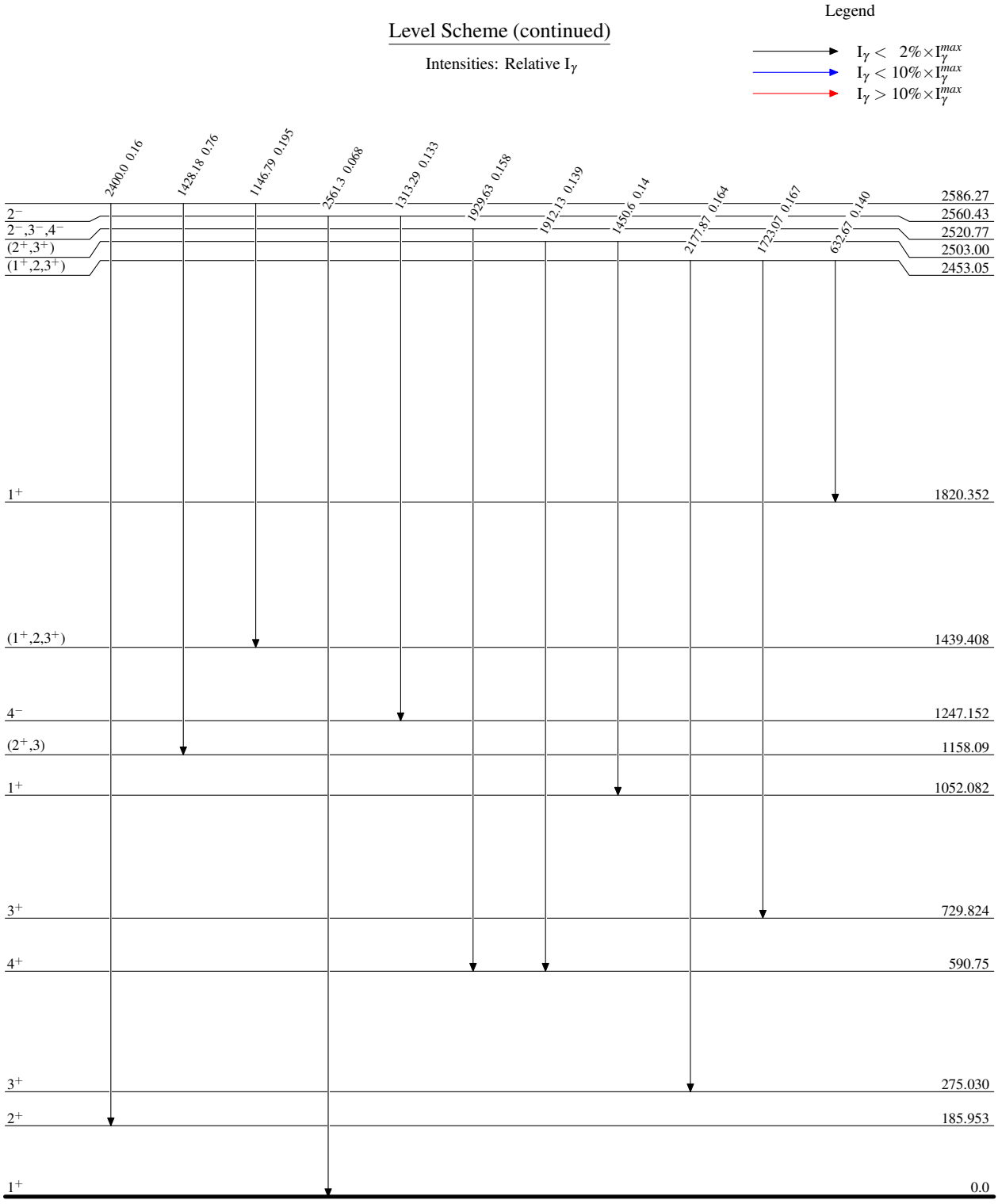


$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

Intensities: Relative I_γ



$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

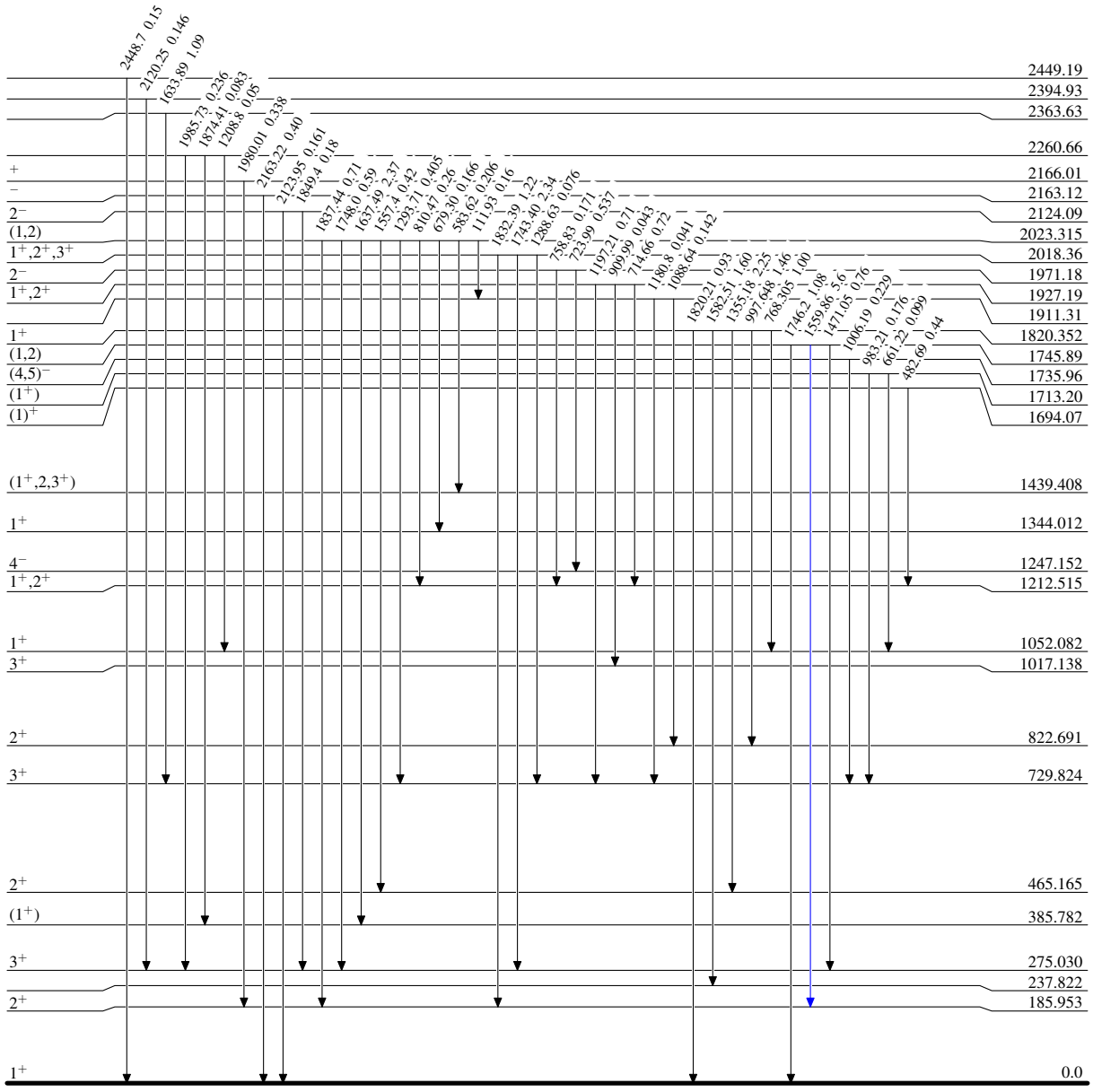
Intensities: Relative I_γ

Legend

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

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

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

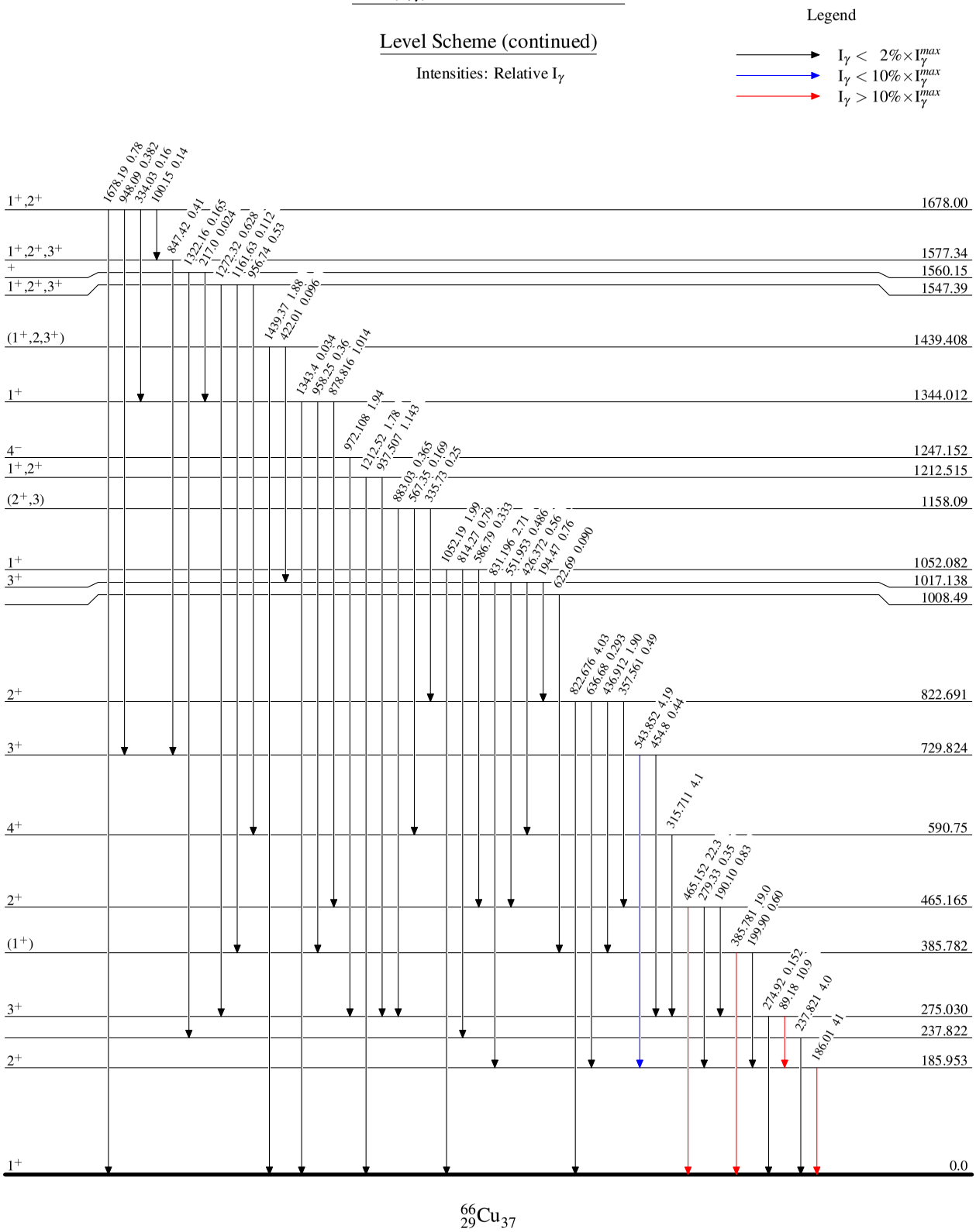


$^{66}_{29}Cu_{37}$

^{65}Cu(n,γ) E=thermal 1983De29

Level Scheme (continued)

Intensities: Relative I_γ



$^{66}_{29}Cu_{37}$