^{150}Ho ε decay (72 s) 2003Al25

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, A. A. Sonzogni	NDS 114, 435 (2013)	1-Apr-2013

Parent: ^{150}Ho: E=0; $J^\pi=2^-$; $T_{1/2}$=72 s *4*; Q(ε)=7364 *14*; %ε+%$β^+$ decay=100.0

2003Al25: ^{150}Ho isotope obtained from the decay of ^{150}Er produced in ^{96}Ru(^{58}Ni,4p) reaction at 5.3 MeV/nucleon, followed by on-line mass separation. The activity is 2^- isomer with 72 s half-life with some admixture of the 9^+ isomer of ^{150}Ho with 23 s half-life. Measured Eγ, Iγ, γγ, total absorption gamma-ray spectra (TAGS) using six euroball clusters. Shell-model calculations.

Others: 1987To05, 1980Li18, 1982Mo19, 1981NoZY.

1987To05: production through the decay of ^{150}Er formed in ^{96}Ru(^{58}Ni,n3p). Timing coincidences between particles, γ-rays, x rays and positrons were recorded.

1980Li18: Tb(^{3}He,xnγ). Measured γ, βγ and γγ.

^{150}Dy Levels

E(level)	J^π	E(level)	J^π	E(level)	J^π	E(level)	J^π
0.0	0^+	2979.83 *16*	2,3	3440.7 *4*	(1,2,3)	3834.3 *3*	1^-
803.67 *7*	2^+	3005.97 *16*	4^+,3^-	3441.2 *5*	(3,4,5)	3857.89 *14*	1^-&3^-
1395.01 *9*	3^-	3010.3 *3*	0^+,1,2,(3^-)	3458.78 *20*	3^-,4^+	3870.0 *3*	3^-
1456.99 *10*	4^+	3038.70 *16*	2^+,(1^-)	3464.6 *5*	(2,3,4)	3873.64 *22*	(2,3)$^-$
1786.40 *10*	2^+	3067.9 *4*	2,3,4,(1^-)	3465.3 *5*	(2,3,4)	3892.2 *5*	(3,2)$^-$
1893.01 *14*	0^+	3069.39 *15*	1,(2^+)	3467.0 *5*	(3,4,5)	3895.7 *3*	1^-
1983.21 *10*	2^+	3082.8 *5*	(3,4,5)	3473.8 *5*	(2,3,4)	3900.8 *4*	3^-
2051.35 *12*	4^-	3101.91 *14*	2,(1^-,3^-)	3480.6 *3*	(2,3)	3903.7 *5*	(3,2)$^-$
2186.86 *17*	5^-	3108.0 *5*	(3,4,5)	3496.1 *5*	(0^+ to 3)	3916.04 *18*	3^-
2226.12 *11*	3,2^-,(2^+)	3112.62 *16*	3,(2^+,4^+)	3497.0 *4*	(0^+,2,3,4)	3924.23 *18*	3^-
2253.87 *21*	0^+ to 2,(3^-)	3131.43 *19*	2,3,(4^+,1^-)	3500.69 *18*	(2,3)	3927.0 *5*	(2,3)$^-$
2317.72 *15*	2^+,(1)	3133.9 *5*	(3,4,5)	3528.6 *3*	3,(4^-)	3929.8 *5*	(2,3)$^-$
2321.72 *11*	2^+	3141.1 *5*	0^+,1,2,3,(4^+)	3529.4 *4*	(0^+ to 3)	3968.5 *3*	3^-
2330.92 *13*	4^+,3^+,(2^+,3^-)	3150.46 *22*	4,(3^-,5^-)	3530.4 *4*	(1,2,3)	3981.0 *4*	3^-
2337.11 *12*	2^+,(1^-)	3152.0 *3*	3,(2^+,4^+)	3535.80 *22*	(2,3)$^-$	4000.4 *3*	(3,2)$^-$
2346.65 *13*	2^+,(1^-)	3156.48 *21*	3,(4^+)	3542.3 *5*	(0^+ to 3)	4009.4 *5*	1^-
2412.00 *15*	4^+,(2^+,3)	3172.8 *3*	(2,3)	3550.2 *5*	(2,3,4)	4045.87 *22*	(2,3)$^-$
2419.03 *19*	3^-,4,5^-	3177.27 *19*	4^+,(3^-)	3565.0 *5*	(2,3,4)	4052.7 *5*	(2,3)$^-$
2434.89 *20*	1^-,2	3183.35 *17*	2^-,3^-	3567.55 *21*	3^-	4086.92 *23*	1^-
2460.97 *13*	2^+,(1^-)	3194.6 *4*	(0^+ to 3)	3577.8 *5*	(0^+ to 3)	4100.02 *22*	1^-
2509.7 *5*		3197.6 *4*	(2,3)	3586.2 *5*	(3,4,5)	4102.35 *17*	1^-&(2,3)$^-$
2521.06 *14*	3,4^+	3199.06 *21*	(3,4)	3588.9 *3*	(1^-)&(3^-)	4116.7 *5*	(2,3)$^-$
2529.21 *14*	2^+	3257.9 *5*	(2,3,4)	3600.6 *3*	(3,4)	4118.9 *4*	(3,2)$^-$
2618.50 *17*	3,4^+,(2^+)	3279.3 *3*	2^+,(1^-)	3613.2 *5*	(3,4,5)	4129.2 *4*	(2,3)$^-$
2635.3 *5*	2,3,4	3292.38 *17*	(3)	3638.7 *4*	(3,4)	4151.6 *5*	(3,2)$^-$
2671.66 *18*	0^+	3294.2 *3*	(4)	3654.7 *4*	(2,3)$^-$	4154.1 *3*	(2,3)$^-$
2697.11 *14*	3,4,(2^-,5^-)	3304.9 *3*	(3,4)	3660.3 *4*	(3,4)	4162.8 *3*	3^-
2713.59 *13*	2^+,(1^-)	3326.5 *5*	(0^+ to 3)	3690.61 *22*	3^-	4170.71 *24*	3^-&1^-
2740.89 *14*	3^-,(2^+)	3335.5 *3*	1,2^+	3693.6 *5*		4196.6 *5*	(2,3)$^-$
2800.63 *14*	2^+,(1^-)	3339.54 *15*	2^+,(1^-)	3704.29 *18*	3^-	4199.1 *5*	1^-
2836.5 *4*		3348.9 *5*	(3,4,5)	3724.1 *5*	(2,3,4)	4208.5 *5*	(2,3)$^-$
2844.95 *16*	2,3,(4^+,1^+)	3356.4 *3*	(3)	3733.22 *22*	3^-	4216.4 *5*	(3,2)$^-$
2855.84 *18*	3,(2^+,4^+)	3366.3 *5*	(2,3,4)	3743.6 *5*	(3,4,5)	4220.68 *19*	3^-
2911.0 *5*	(4,5,6)	3378.87 *16*	3^-	3749.8 *3*	(1,2,3)	4224.4 *4*	(3,2)$^-$
2928.2 *5*		3383.2 *3*	(3)	3766.6 *3*	(2,3,4)	4233.9 *5*	1^-
2930.35 *16*	4,(3^-)	3395.0 *5*	(3,4,5)	3782.8 *5*	(2,3,4)	4253.5 *4*	(3,2)$^-$
2943.94 *18*	4,(3,5^-)	3405.2 *3*	(3,4)	3789.1 *4*	(0^+ to 3)	4255.5 *5*	1^-
2946.8 *5*	(3,4,5)	3413.0 *5*	(3,4,5)	3792.6 *3*	2^+,1^-	4264.6 *5*	(2,3)$^-$
2955.73 *14*	3^-,4^+	3414.4 *4*	(3,4)	3804.2 *3*	2^+	4270.4 *5*	(2,3)$^-$
2972.00 *16*	2^+,(1^-)	3422.7 *5*	(1,2,3)	3812.8 *4*	3^-	4278.4 *5*	3^-

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

^{150}Dy Levels (continued)

E(level)	J$^\pi$	E(level)	J$^\pi$	E(level)	J$^\pi$	E(level)	J$^\pi$
4293.81 *24*	3$^-$	4511.72 *16*	1$^-$&(2,3)$^-$	4743.79 *24*	1$^-$	5067.7 *5*	(2,3)$^-$
4304.99 *20*	1$^-$	4518.52 *22*	1$^-$	4754.01 *24*	3$^-$	5076.8 *5*	(2,3)$^-$
4311.5 *5*	(2,3)$^-$	4519.6 *4*	(3,2)$^-$	4757.8 *3*	(2,3)$^-$	5088.6 *3*	3$^-$
4322.1 *4*	(2,3)$^-$	4521.71 *21*	3$^-$	4759.4 *3*	3$^-$	5098.5 *5*	(2,3)$^-$
4340.3 *4*	(2,3)$^-$	4523.56 *21*	(2,3)$^-$	4766.62 *20*	(2,3)$^-$	5106.3 *5*	(2,3)$^-$
4342.4 *5*	1$^-$	4544.49 *22*	1$^-$&3$^-$	4769.7 *5*	(3,2)$^-$	5110.7 *5*	(2,3)$^-$
4344.64 *12*	1$^-$&(2,3)$^-$ †	4546.6 *4*	(3,2)$^-$	4785.2 *3*	(2,3)$^-$	5129.0 *5*	(2,3)$^-$
4355.1 *5*	1$^-$	4549.00 *24*	(2,3)$^-$	4789.5 *4*	3$^-$	5142.8 *4*	(3,2)$^-$
4356.75 *15*	(2,3)$^-$	4549.90 *24*	(2,3)$^-$	4794.1 *5*	1$^-$	5165.6 *4*	3$^-$
4361.62 *17*	1$^-$	4552.17 *22*	(2,3)$^-$	4799.3 *5*	(2,3)$^-$	5176.2 *5*	(2,3)$^-$
4373.5 *3*	(3)$^-$	4553.03 *21*	(3)$^-$	4803.8 *3*	(2,3)$^-$	5181.1 *5*	(2,3)$^-$
4377.51 *23*	1$^-$	4574.29 *13*	3$^-$	4808.18 *20*	3$^-$	5193.7 *5*	(2,3)$^-$
4389.7 *3*	(2,3)$^-$	4576.5 *3*	(3)$^-$	4809.2 *5*	1$^-$	5207.7 *5*	(2,3)$^-$
4401.08 *12*	3$^-$	4584.4 *5*	1$^-$	4835.13 *20*	(2,3)$^-$	5211.3 *5*	(2,3)$^-$
4417.20 *18*	(2,3)$^-$	4594.7 *5*	1$^-$	4849.6 *4*	3$^-$	5218.7 *4*	(2,3)$^-$
4421.65 *11*	3$^-$	4597.27 *18*	(2,3)$^-$	4870.3 *5*	(2,3)$^-$	5225.1 *5*	(3,2)$^-$
4427.16 *15*	(3,2)$^-$	4602.0 *3*	3$^-$	4872.8 *4*	(2,3)$^-$	5246.7 *5*	(2,3)$^-$
4429.1 *5*	(3,2)$^-$	4605.89 *19*	1$^-$	4881.6 *4*	3$^-$	5250.4 *3*	3$^-$
4431.74 *18*	1$^-$	4607.7 *5*	(3,2)$^-$	4883.2 *5*	1$^-$	5251.7 *5*	(3,2)$^-$
4439.18 *18*	(2,3)$^-$	4610.1 *4*	3$^-$	4901.2 *3*	(2,3)$^-$	5254.6 *3*	3$^-$
4443.12 *15*	(2,3)$^-$	4640.6 *4*	(2,3)$^-$	4909.7 *5*	(2,3)$^-$	5296.1 *4*	3$^-$
4444.3 *5*	1$^-$	4649.1 *4*	(2,3)$^-$	4937.7 *5*	(2,3)$^-$	5327.5 *5*	(2,3)$^-$
4445.98 *14*	3$^-$	4653.0 *5*	1$^-$	4949.4 *3*	3$^-$	5334.1 *5*	(2,3)$^-$
4449.65 *20*	1$^-$	4660.29 *24*	(2,3)$^-$	4956.4 *5*	3$^-$	5353.2 *5*	3$^-$
4460.7 *3*	(3)$^-$	4665.96 *24*	(2,3)$^-$	4972.8 *5*	(2,3)$^-$	5359.7 *5*	1$^-$
4469.7 *3*	(2,3)$^-$	4668.2 *5*	(2,3)$^-$	4995.5 *3*	(2,3)$^-$	5414.7 *5*	(2,3)$^-$
4480.6 *3*	1$^-$	4695.00 *21*	3$^-$	5000.7 *5*	1$^-$	5450.8 *5*	(2,3)$^-$
4482.67 *14*	3$^-$	4698.14 *19*	1$^-$&3$^-$	5005.9 *5*	(2,3)$^-$	5662.0 *5*	(2,3)$^-$
4486.67 *14*	(3)$^-$	4706.18 *15*	(2,3)$^-$	5010.6 *4*	(2,3)$^-$	5725.6 *5*	(2,3)$^-$
4487.9 *3*	1$^-$	4712.3 *5*	1$^-$	5031.6 *5*	1$^-$	5880.5 *5*	(2,3)$^-$
4491.80 *12*	3$^-$	4718.3 *4*	(3,2)$^-$	5032.8 *5*	(2,3)$^-$	5888.0 *5*	(2,3)$^-$
4495.55 *12*	3$^-$	4733.50 *24*	(2,3)$^-$	5035.3 *5*	(2,3)$^-$		

† 1$^-$ and 2$^-$ in figure 6 of 2003Al25.

ε,β$^+$ radiations

E(decay)	E(level)	Iβ$^+$ @	Iε@	Log *ft*#	I(ε+β$^+$)†@	Comments
(1476 *14*)	5888.0	3.×10^{-6}	0.002	7.9	0.002	av Eβ=218.8 *63*; εK=0.8309 *1*; εL=0.1292 *1*; εM+=0.03818 *3*
(1484 *14*)	5880.5	5.×10^{-6}	0.003	7.7	0.003	av Eβ=222.1 *63*; εK=0.8309 *1*; εL=0.1292 *1*; εM+=0.03816 *3*
(1638 *14*)	5725.6	3.×10^{-5}	0.006	7.5	0.006	av Eβ=290.5 *62*; εK=0.8286 *4*; εL=0.1281 *2*; εM+=0.03780 *4*
(1702 *14*)	5662.0	6.×10^{-5}	0.007	7.5	0.007	av Eβ=318.5 *62*; εK=0.8268 *5*; εL=0.12753 *13*; εM+=0.03762 *4*
(1913 *14*)	5450.8	0.0001	0.005	7.7	0.005	av Eβ=411.1 *62*; εK=0.8165 *10*; εL=0.12519 *19*; εM+=0.03690 *6*
(1949 *14*)	5414.7	0.0001	0.005	7.7	0.005	av Eβ=427.0 *62*; εK=0.8140 *11*; εL=0.12469 *21*; εM+=0.03675 *7*
(2004 *14*)	5359.7	0.0001	0.005	7.8	0.005	av Eβ=451.1 *62*; εK=0.8097 *12*; εL=0.12387 *23*; εM+=0.03650 *7*
(2011 *14*)	5353.2	0.0002	0.007	7.6	0.007	av Eβ=454.0 *62*; εK=0.8092 *12*; εL=0.12377 *23*; εM+=0.03647 *7*
(2030 *14*)	5334.1	0.0003	0.008	7.6	0.008	av Eβ=462.4 *62*; εK=0.8075 *13*; εL=0.12346 *23*;

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε @	Log ft #	I(ε+β+) †@	Comments
						εM+=0.03638 *7*
(2037 *14*)	5327.5	0.0002	0.006	7.7	0.006	av Eβ=465.3 *62*; εK=0.8069 *13*; εL=0.12335 *24*; εM+=0.03634 *7*
(2068 *14*)	5296.1	0.00044	0.012	7.4	0.012	av Eβ=479.1 *62*; εK=0.8040 *14*; εL=0.12282 *25*; εM+=0.03618 *8*
(2109 *14*)	5254.6	0.0017	0.038	6.9	0.040	av Eβ=497.3 *63*; εK=0.7999 *15*; εL=0.1221 *3*; εM+=0.03596 *8*
(2112 *14*)	5251.7	0.00072	0.016	7.3	0.017	av Eβ=498.6 *63*; εK=0.7996 *15*; εL=0.1220 *3*; εM+=0.03594 *8*
(2114 *14*)	5250.4	0.0016	0.036	6.9	0.038	av Eβ=499.2 *63*; εK=0.7994 *15*; εL=0.1220 *3*; εM+=0.03594 *8*
(2117 *14*)	5246.7	0.0002	0.005	7.8	0.005	av Eβ=500.8 *63*; εK=0.7990 *15*; εL=0.1219 *3*; εM+=0.03592 *8*
(2139 *14*)	5225.1	0.00083	0.017	7.3	0.018	av Eβ=510.4 *62*; εK=0.7967 *16*; εL=0.1215 *3*; εM+=0.03579 *9*
(2145 *14*)	5218.7	0.0016	0.033	7.0	0.035	av Eβ=513.2 *62*; εK=0.7960 *16*; εL=0.1214 *3*; εM+=0.03576 *9*
(2153 *14*)	5211.3	0.00057	0.011	7.5	0.012	av Eβ=516.4 *62*; εK=0.7952 *16*; εL=0.1213 *3*; εM+=0.03571 *9*
(2156 *14*)	5207.7	0.000483	0.00952	7.5	0.0100	av Eβ=518.0 *62*; εK=0.7948 *16*; εL=0.1212 *3*; εM+=0.03569 *9*
(2170 *14*)	5193.7	0.00096	0.018	7.3	0.019	av Eβ=524.2 *62*; εK=0.7932 *17*; εL=0.1209 *3*; εM+=0.03561 *9*
(2183 *14*)	5181.1	0.0026	0.047	6.9	0.050	av Eβ=529.7 *62*; εK=0.7917 *17*; εL=0.1207 *3*; εM+=0.03553 *9*
(2188 *14*)	5176.2	0.00058	0.010	7.5	0.011	av Eβ=531.9 *62*; εK=0.7911 *17*; εL=0.1206 *3*; εM+=0.03550 *9*
(2198 *14*)	5165.6	0.0016	0.028	7.1	0.030	av Eβ=536.6 *62*; εK=0.7899 *18*; εL=0.1203 *3*; εM+=0.03544 *9*
(2221 *14*)	5142.8	0.0018	0.029	7.1	0.031	av Eβ=546.6 *62*; εK=0.7870 *18*; εL=0.1199 *3*; εM+=0.03529 *9*
(2235 *14*)	5129.0	0.00072	0.011	7.5	0.012	av Eβ=552.7 *62*; εK=0.7853 *19*; εL=0.1196 *3*; εM+=0.03520 *10*
(2253 *14*)	5110.7	0.0010	0.015	7.4	0.016	av Eβ=560.8 *62*; εK=0.7829 *19*; εL=0.1192 *4*; εM+=0.03508 *10*
(2258 *14*)	5106.3	0.0015	0.022	7.2	0.024	av Eβ=562.7 *62*; εK=0.7823 *19*; εL=0.1191 *4*; εM+=0.03506 *10*
(2266 *14*)	5098.5	0.0011	0.016	7.4	0.017	av Eβ=566.2 *62*; εK=0.7813 *19*; εL=0.1189 *4*; εM+=0.03500 *10*
(2275 *14*)	5088.6	0.0037	0.052	6.9	0.056	av Eβ=570.6 *62*; εK=0.7799 *20*; εL=0.1187 *4*; εM+=0.03494 *10*
(2287 *14*)	5076.8	0.0012	0.017	7.4	0.018	av Eβ=575.8 *62*; εK=0.7783 *20*; εL=0.1184 *4*; εM+=0.03485 *10*
(2296 *14*)	5067.7	0.000700	0.00930	7.6	0.0100	av Eβ=579.8 *62*; εK=0.7770 *20*; εL=0.1182 *4*; εM+=0.03479 *10*
(2329 *14*)	5035.3	0.0006	0.007	7.7	0.008	av Eβ=594.1 *62*; εK=0.7724 *21*; εL=0.1174 *4*; εM+=0.03456 *11*
(2331 *14*)	5032.8	0.0015	0.018	7.3	0.020	av Eβ=595.2 *62*; εK=0.7720 *21*; εL=0.1173 *4*; εM+=0.03454 *11*
(2332 *14*)	5031.6	0.00092	0.011	7.6	0.012	av Eβ=595.7 *62*; εK=0.7718 *21*; εL=0.1173 *4*; εM+=0.03453 *11*
(2353 *14*)	5010.6	0.0032	0.037	7.0	0.040	av Eβ=605.0 *62*; εK=0.7687 *22*; εL=0.1168 *4*; εM+=0.03438 *11*
(2358 *14*)	5005.9	0.00081	0.0092	7.6	0.010	av Eβ=607.0 *62*; εK=0.7680 *22*; εL=0.1167 *4*; εM+=0.03434 *11*
(2363 *14*)	5000.7	0.0051	0.057	6.9	0.062	av Eβ=609.3 *62*; εK=0.7672 *22*; εL=0.1165 *4*; εM+=0.03430 *11*

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
(2369 *14*)	4995.5	0.0074	0.082	6.7	0.089	av Eβ=611.6 *62*; εK=0.7664 *22*; εL=0.1164 *4*; εM+=0.03427 *11*
(2391 *14*)	4972.8	0.0017	0.018	7.4	0.020	av Eβ=621.7 *62*; εK=0.7628 *23*; εL=0.1158 *4*; εM+=0.03409 *11*
(2408 *14*)	4956.4	0.0013	0.013	7.5	0.014	av Eβ=629.0 *62*; εK=0.7602 *23*; εL=0.1154 *4*; εM+=0.03396 *11*
(2415 *14*)	4949.4	0.0065	0.064	6.8	0.071	av Eβ=632.1 *62*; εK=0.7591 *23*; εL=0.1152 *4*; εM+=0.03391 *12*
(2426 *14*)	4937.7	0.0017	0.016	7.4	0.018	av Eβ=637.2 *62*; εK=0.7572 *24*; εL=0.1149 *4*; εM+=0.03382 *12*
(2454 *14*)	4909.7	0.0015	0.014	7.5	0.015	av Eβ=649.7 *63*; εK=0.7525 *24*; εL=0.1141 *4*; εM+=0.03359 *12*
(2463 *14*)	4901.2	0.0124	0.110	6.6	0.122	av Eβ=653.4 *63*; εK=0.7510 *25*; εL=0.1139 *4*; εM+=0.03352 *12*
(2481 *14*)	4883.2	0.0060	0.051	6.9	0.057	av Eβ=661.4 *63*; εK=0.7479 *25*; εL=0.1134 *4*; εM+=0.03337 *12*
(2482 *14*)	4881.6	0.0031	0.026	7.2	0.029	av Eβ=662.1 *63*; εK=0.7476 *25*; εL=0.1134 *4*; εM+=0.03336 *12*
(2491 *14*)	4872.8	0.0032	0.027	7.2	0.030	av Eβ=666.0 *63*; εK=0.7461 *25*; εL=0.1131 *4*; εM+=0.03328 *12*
(2494 *14*)	4870.3	0.0021	0.017	7.4	0.019	av Eβ=667.1 *63*; εK=0.7456 *25*; εL=0.1130 *4*; εM+=0.03326 *12*
(2514 *14*)	4849.6	0.0048	0.038	7.1	0.043	av Eβ=676.3 *63*; εK=0.742 *3*; εL=0.1124 *4*; εM+=0.03309 *13*
(2529 *14*)	4835.13	0.0436	0.333	6.1	0.377	av Eβ=682.8 *63*; εK=0.739 *3*; εL=0.1120 *5*; εM+=0.03296 *13*
(2555 *14*)	4809.2	0.0033	0.024	7.3	0.027	av Eβ=694.3 *63*; εK=0.734 *3*; εL=0.1113 *5*; εM+=0.03273 *13*
(2556 *14*)	4808.18	0.0267	0.192	6.4	0.219	av Eβ=694.7 *63*; εK=0.734 *3*; εL=0.1112 *5*; εM+=0.03272 *13*
(2560 *14*)	4803.8	0.0242	0.173	6.4	0.197	av Eβ=696.7 *63*; εK=0.733 *3*; εL=0.1111 *5*; εM+=0.03268 *13*
(2565 *14*)	4799.3	0.0016	0.011	7.6	0.013	av Eβ=698.7 *63*; εK=0.733 *3*; εL=0.1110 *5*; εM+=0.03264 *13*
(2570 *14*)	4794.1	0.0060	0.042	7.1	0.048	av Eβ=701.0 *63*; εK=0.732 *3*; εL=0.1108 *5*; εM+=0.03260 *13*
(2575 *14*)	4789.5	0.0147	0.102	6.7	0.117	av Eβ=703.0 *63*; εK=0.731 *3*; εL=0.1107 *5*; εM+=0.03256 *13*
(2579 *14*)	4785.2	0.0062	0.043	7.1	0.049	av Eβ=705.0 *63*; εK=0.730 *3*; εL=0.1105 *5*; εM+=0.03252 *13*
(2594 *14*)	4769.7	0.0021	0.014	7.5	0.016	av Eβ=711.9 *63*; εK=0.727 *3*; εL=0.1101 *5*; εM+=0.03238 *13*
(2597 *14*)	4766.62	0.010	0.068	6.9	0.078	av Eβ=713.2 *63*; εK=0.726 *3*; εL=0.1100 *5*; εM+=0.03235 *13*
(2605 *14*)	4759.4	0.0168	0.109	6.7	0.126	av Eβ=716.4 *63*; εK=0.725 *3*; εL=0.1097 *5*; εM+=0.03228 *13*
(2606 *14*)	4757.8	0.0097	0.063	6.9	0.073	av Eβ=717.1 *63*; εK=0.725 *3*; εL=0.1097 *5*; εM+=0.03227 *13*
(2610 *14*)	4754.01	0.0359	0.231	6.3	0.267	av Eβ=718.8 *63*; εK=0.724 *3*; εL=0.1096 *5*; εM+=0.03223 *13*
(2620 *14*)	4743.79	0.0223	0.141	6.5	0.163	av Eβ=723.4 *63*; εK=0.722 *3*; εL=0.1092 *5*; εM+=0.03214 *13*
(2631 *14*)	4733.50	0.0334	0.207	6.4	0.240	av Eβ=728.0 *63*; εK=0.720 *3*; εL=0.1089 *5*; εM+=0.03204 *14*
(2646 *14*)	4718.3	0.0069	0.041	7.1	0.048	av Eβ=734.7 *63*; εK=0.717 *3*; εL=0.1084 *5*; εM+=0.03190 *14*
(2652 *14*)	4712.3	0.011	0.067	6.9	0.078	av Eβ=737.4 *63*; εK=0.716 *3*; εL=0.1083 *5*; εM+=0.03184 *14*
(2658 *14*)	4706.18	0.0905	0.530	6.0	0.621	av Eβ=740.1 *63*; εK=0.714 *3*; εL=0.1081 *5*; εM+=0.03178 *14*
(2666 *14*)	4698.14	0.0284	0.164	6.5	0.192	av Eβ=743.7 *63*; εK=0.713 *3*; εL=0.1078 *5*; εM+=0.03171 *14*
(2669 *14*)	4695.00	0.0253	0.145	6.6	0.170	av Eβ=745.1 *63*; εK=0.712 *3*; εL=0.1077 *5*; εM+=0.03168 *14*

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
(2696 *14*)	4668.2	0.00155	0.00845	7.8	0.0100	av Eβ=757.1 *63*; εK=0.707 *3*; εL=0.1068 *5*; εM+=0.03142 *14*
(2698 *14*)	4665.96	0.0164	0.0886	6.8	0.105	av Eβ=758.1 *63*; εK=0.706 *3*; εL=0.1067 *5*; εM+=0.03140 *14*
(2704 *14*)	4660.29	0.014	0.072	6.9	0.086	av Eβ=760.6 *63*; εK=0.705 *3*; εL=0.1066 *5*; εM+=0.03134 *14*
(2711 *14*)	4653.0	0.0086	0.045	7.1	0.054	av Eβ=763.9 *63*; εK=0.703 *3*; εL=0.1063 *5*; εM+=0.03127 *14*
(2715 *14*)	4649.1	0.0064	0.034	7.2	0.040	av Eβ=765.6 *63*; εK=0.703 *3*; εL=0.1062 *5*; εM+=0.03123 *14*
(2723 *14*)	4640.6	0.0282	0.146	6.6	0.174	av Eβ=769.4 *63*; εK=0.701 *3*; εL=0.1059 *5*; εM+=0.03115 *14*
(2754 *14*)	4610.1	0.0197	0.0963	6.8	0.116	av Eβ=783.1 *63*; εK=0.694 *3*; εL=0.1049 *5*; εM+=0.03085 *14*
(2756 *14*)	4607.7	0.0024	0.012	7.7	0.014	av Eβ=784.1 *63*; εK=0.694 *3*; εL=0.1048 *5*; εM+=0.03082 *14*
(2758 *14*)	4605.89	0.0608	0.294	6.3	0.355	av Eβ=784.9 *63*; εK=0.693 *3*; εL=0.1047 *5*; εM+=0.03080 *15*
(2762 *14*)	4602.0	0.0046	0.022	7.4	0.027	av Eβ=786.7 *63*; εK=0.692 *3*; εL=0.1046 *5*; εM+=0.03076 *15*
(2767 *14*)	4597.27	0.0820	0.391	6.2	0.473	av Eβ=788.8 *63*; εK=0.691 *3*; εL=0.1044 *5*; εM+=0.03072 *15*
(2769 *14*)	4594.7	0.0005	0.002	8.4	0.003	av Eβ=789.9 *63*; εK=0.691 *3*; εL=0.1044 *5*; εM+=0.03069 *15*
(2780 *14*)	4584.4	0.0074	0.035	7.2	0.042	av Eβ=794.5 *63*; εK=0.689 *3*; εL=0.1040 *5*; εM+=0.03059 *15*
(2788 *14*)	4576.5	0.0272	0.125	6.7	0.152	av Eβ=798.1 *63*; εK=0.687 *3*; εL=0.1037 *5*; εM+=0.03051 *15*
(2790 *14*)	4574.29	0.266	1.21	5.7	1.48	av Eβ=799.1 *63*; εK=0.686 *3*; εL=0.1037 *5*; εM+=0.03048 *15*
(2811 *14*)	4553.03	0.0309	0.136	6.6	0.167	av Eβ=808.6 *63*; εK=0.682 *4*; εL=0.1029 *5*; εM+=0.03027 *15*
(2812 *14*)	4552.17	0.018	0.080	6.9	0.098	av Eβ=809.0 *63*; εK=0.682 *4*; εL=0.1029 *5*; εM+=0.03026 *15*
(2814 *14*)	4549.90	0.0485	0.212	6.4	0.261	av Eβ=810.0 *63*; εK=0.681 *4*; εL=0.1028 *5*; εM+=0.03023 *15*
(2815 *14*)	4549.00	0.010	0.044	7.1	0.054	av Eβ=810.4 *63*; εK=0.681 *4*; εL=0.1028 *5*; εM+=0.03022 *15*
(2817 *14*)	4546.6	0.0080	0.035	7.2	0.043	av Eβ=811.5 *63*; εK=0.680 *4*; εL=0.1027 *5*; εM+=0.03020 *15*
(2820 *14*)	4544.49	0.0487	0.211	6.4	0.260	av Eβ=812.4 *63*; εK=0.680 *4*; εL=0.1026 *5*; εM+=0.03018 *15*
(2840 *14*)	4523.56	0.118	0.495	6.1	0.613	av Eβ=821.8 *63*; εK=0.675 *4*; εL=0.1019 *5*; εM+=0.02996 *15*
(2842 *14*)	4521.71	0.0513	0.214	6.4	0.265	av Eβ=822.6 *63*; εK=0.675 *4*; εL=0.1018 *5*; εM+=0.02994 *15*
(2844 *14*)	4519.6	0.0085	0.035	7.2	0.044	av Eβ=823.5 *63*; εK=0.674 *4*; εL=0.1018 *5*; εM+=0.02992 *15*
(2845 *14*)	4518.52	0.0593	0.246	6.4	0.305	av Eβ=824.0 *63*; εK=0.674 *4*; εL=0.1017 *5*; εM+=0.02991 *15*
(2852 *14*)	4511.72	0.143	0.586	6.0	0.729	av Eβ=827.1 *63*; εK=0.672 *4*; εL=0.1015 *5*; εM+=0.02984 *15*
(2868 *14*)	4495.55	0.568	2.26	5.4	2.83	av Eβ=834.3 *63*; εK=0.669 *4*; εL=0.1009 *5*; εM+=0.02967 *15*
(2872 *14*)	4491.80	0.452	1.79	5.5	2.24	av Eβ=836.0 *63*; εK=0.668 *4*; εL=0.1008 *5*; εM+=0.02963 *15*
(2876 *14*)	4487.9	0.015	0.060	7.0	0.075	av Eβ=837.7 *63*; εK=0.667 *4*; εL=0.1006 *5*; εM+=0.02959

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
(2877 *14*)	4486.67	0.130	0.511	6.1	0.641	av Eβ=838.3 *63*; εK=0.667 *4*; εL=0.1006 *5*; εM+=0.02958 *15*
(2881 *14*)	4482.67	0.151	0.589	6.0	0.740	av Eβ=840.1 *63*; εK=0.666 *4*; εL=0.1004 *5*; εM+=0.02953 *15*
(2883 *14*)	4480.6	0.0385	0.149	6.6	0.188	av Eβ=841.0 *63*; εK=0.665 *4*; εL=0.1004 *5*; εM+=0.02951 *15*
(2894 *14*)	4469.7	0.0314	0.120	6.7	0.151	av Eβ=845.9 *63*; εK=0.663 *4*; εL=0.1000 *5*; εM+=0.02940 *15*
(2903 *14*)	4460.7	0.0299	0.112	6.7	0.142	av Eβ=849.9 *63*; εK=0.661 *4*; εL=0.0997 *5*; εM+=0.02930 *15*
(2914 *14*)	4449.65	0.433	1.60	5.6	2.03	av Eβ=854.9 *63*; εK=0.658 *4*; εL=0.0993 *5*; εM+=0.02918 *15*
(2918 *14*)	4445.98	0.217	0.793	5.9	1.01	av Eβ=856.5 *63*; εK=0.657 *4*; εL=0.0991 *5*; εM+=0.02914 *15*
(2920 *14*)	4444.3	0.015	0.055	7.1	0.070	av Eβ=857.3 *63*; εK=0.657 *4*; εL=0.0991 *5*; εM+=0.02913 *15*
(2921 *14*)	4443.12	0.201	0.734	5.9	0.935	av Eβ=857.8 *63*; εK=0.657 *4*; εL=0.0990 *5*; εM+=0.02911 *15*
(2925 *14*)	4439.18	0.156	0.564	6.0	0.720	av Eβ=859.6 *63*; εK=0.656 *4*; εL=0.0989 *5*; εM+=0.02907 *15*
(2932 *14*)	4431.74	0.0509	0.182	6.5	0.233	av Eβ=862.9 *63*; εK=0.654 *4*; εL=0.0986 *5*; εM+=0.02899 *15*
(2935 *14*)	4429.1	0.0057	0.020	7.5	0.026	av Eβ=864.1 *63*; εK=0.653 *4*; εL=0.0985 *5*; εM+=0.02896 *15*
(2937 *14*)	4427.16	0.150	0.532	6.1	0.682	av Eβ=865.0 *63*; εK=0.653 *4*; εL=0.0984 *5*; εM+=0.02894 *15*
(2942 *14*)	4421.65	0.885	3.12	5.3	4.00	av Eβ=867.5 *63*; εK=0.652 *4*; εL=0.0982 *6*; εM+=0.02888 *15*
(2947 *14*)	4417.20	0.0919	0.321	6.3	0.413	av Eβ=869.5 *63*; εK=0.651 *4*; εL=0.0981 *6*; εM+=0.02883 *15*
(2963 *14*)	4401.08	0.452	1.54	5.6	1.99	av Eβ=876.7 *63*; εK=0.647 *4*; εL=0.0975 *6*; εM+=0.02866 *16*
(2974 *14*)	4389.7	0.021	0.071	7.0	0.092	av Eβ=881.8 *63*; εK=0.644 *4*; εL=0.0971 *6*; εM+=0.02854 *16*
(2986 *14*)	4377.51	0.0652	0.214	6.5	0.279	av Eβ=887.3 *63*; εK=0.641 *4*; εL=0.0966 *6*; εM+=0.02841 *16*
(2991 *14*)	4373.5	0.0460	0.150	6.6	0.196	av Eβ=889.1 *63*; εK=0.640 *4*; εL=0.0965 *6*; εM+=0.02836 *16*
(3002 *14*)	4361.62	0.510	1.63	5.6	2.14	av Eβ=894.4 *63*; εK=0.637 *4*; εL=0.0960 *6*; εM+=0.02823 *16*
(3007 *14*)	4356.75	0.307	0.973	5.8	1.28	av Eβ=896.6 *63*; εK=0.636 *4*; εL=0.0959 *6*; εM+=0.02818 *16*
(3009 *14*)	4355.1	0.012	0.038	7.2	0.050	av Eβ=897.4 *63*; εK=0.636 *4*; εL=0.0958 *6*; εM+=0.02816 *16*
(3019 *14*)	4344.64	0.756	2.35	5.5	3.11	av Eβ=902.1 *63*; εK=0.633 *4*; εL=0.0954 *6*; εM+=0.02805 *16*
(3022 *14*)	4342.4	0.0629	0.195	6.5	0.258	av Eβ=903.1 *63*; εK=0.633 *4*; εL=0.0953 *6*; εM+=0.02802 *16*
(3024 *14*)	4340.3	0.00244	0.00756	7.9	0.0100	av Eβ=904.0 *63*; εK=0.632 *4*; εL=0.0952 *6*; εM+=0.02800 *16*
(3042 *14*)	4322.1	0.0667	0.200	6.5	0.267	av Eβ=912.2 *63*; εK=0.628 *4*; εL=0.0946 *6*; εM+=0.02780 *16*
(3053 *14*)	4311.5	0.00253	0.00747	8.0	0.0100	av Eβ=917.0 *63*; εK=0.625 *4*; εL=0.0942 *6*; εM+=0.02768 *16*
(3059 *14*)	4304.99	0.379	1.11	5.8	1.49	av Eβ=919.9 *63*; εK=0.624 *4*; εL=0.0939 *6*; εM+=0.02761 *16*

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
(3070 *14*)	4293.81	0.163	0.470	6.2	0.633	av Eβ=924.9 *63*; εK=0.621 *4*; εL=0.0935 *6*; εM+=0.02749 *16*
(3086 *14*)	4278.4	0.0047	0.013	7.7	0.018	av Eβ=931.9 *64*; εK=0.617 *4*; εL=0.0929 *6*; εM+=0.02732 *16*
(3094 *14*)	4270.4	0.013	0.036	7.3	0.049	av Eβ=935.5 *64*; εK=0.615 *4*; εL=0.0926 *6*; εM+=0.02723 *16*
(3099 *14*)	4264.6	0.0269	0.0741	7.0	0.101	av Eβ=938.1 *64*; εK=0.614 *4*; εL=0.0924 *6*; εM+=0.02717 *16*
(3109 *14*)	4255.5	0.011	0.031	7.4	0.042	av Eβ=942.2 *64*; εK=0.612 *4*; εL=0.0921 *6*; εM+=0.02706 *16*
(3111 *14*)	4253.5	0.014	0.037	7.3	0.051	av Eβ=943.1 *64*; εK=0.611 *4*; εL=0.0920 *6*; εM+=0.02704 *16*
(3130 *14*)	4233.9	0.0088	0.023	7.5	0.032	av Eβ=951.9 *64*; εK=0.607 *4*; εL=0.0913 *6*; εM+=0.02682 *16*
(3140 *14*)	4224.4	0.014	0.038	7.3	0.052	av Eβ=956.2 *64*; εK=0.604 *4*; εL=0.0909 *6*; εM+=0.02672 *16*
(3143 *14*)	4220.68	0.0623	0.161	6.7	0.223	av Eβ=957.9 *64*; εK=0.603 *4*; εL=0.0908 *6*; εM+=0.02668 *16*
(3148 *14*)	4216.4	0.0045	0.012	7.8	0.016	av Eβ=959.8 *64*; εK=0.602 *4*; εL=0.0906 *6*; εM+=0.02663 *16*
(3156 *14*)	4208.5	0.0045	0.011	7.8	0.016	av Eβ=963.4 *64*; εK=0.600 *4*; εL=0.0903 *6*; εM+=0.02654 *16*
(3165 *14*)	4199.1	0.011	0.027	7.4	0.038	av Eβ=967.6 *64*; εK=0.598 *4*; εL=0.0900 *6*; εM+=0.02644 *16*
(3167 *14*)	4196.6	0.023	0.058	7.1	0.081	av Eβ=968.8 *64*; εK=0.597 *4*; εL=0.0899 *6*; εM+=0.02641 *16*
(3193 *14*)	4170.71	0.0359	0.0861	6.9	0.122	av Eβ=980.4 *64*; εK=0.591 *4*; εL=0.0889 *6*; εM+=0.02612 *16*
(3201 *14*)	4162.8	0.0344	0.0816	7.0	0.116	av Eβ=984.0 *64*; εK=0.589 *4*; εL=0.0886 *6*; εM+=0.02603 *16*
(3210 *14*)	4154.1	0.0332	0.0778	7.0	0.111	av Eβ=987.9 *64*; εK=0.587 *4*; εL=0.0883 *6*; εM+=0.02594 *16*
(3212 *14*)	4151.6	0.011	0.026	7.5	0.037	av Eβ=989.1 *64*; εK=0.586 *4*; εL=0.0882 *6*; εM+=0.02591 *16*
(3235 *14*)	4129.2	0.0410	0.0930	6.9	0.134	av Eβ=999.2 *64*; εK=0.581 *4*; εL=0.0873 *6*; εM+=0.02566 *16*
(3245 *14*)	4118.9	0.021	0.046	7.2	0.067	av Eβ=1003.8 *64*; εK=0.578 *4*; εL=0.0869 *6*; εM+=0.02554 *16*
(3247 *14*)	4116.7	0.0350	0.0780	7.0	0.113	av Eβ=1004.8 *64*; εK=0.578 *4*; εL=0.0868 *6*; εM+=0.02552 *16*
(3262 *14*)	4102.35	0.282	0.616	6.1	0.898	av Eβ=1011.3 *64*; εK=0.574 *4*; εL=0.0863 *6*; εM+=0.02536 *16*
(3264 *14*)	4100.02	0.102	0.222	6.5	0.324	av Eβ=1012.4 *64*; εK=0.574 *4*; εL=0.0862 *6*; εM+=0.02533 *16*
(3277 *14*)	4086.92	0.325	0.695	6.1	1.02	av Eβ=1018.3 *64*; εK=0.570 *4*; εL=0.0857 *6*; εM+=0.02519 *16*
(3311 *14*)	4052.7	0.00362	0.00738	8.0	0.0110	av Eβ=1033.8 *64*; εK=0.562 *4*; εL=0.0844 *6*; εM+=0.02480 *16*
(3318 *14*)	4045.87	0.161	0.324	6.4	0.485	av Eβ=1036.9 *64*; εK=0.560 *4*; εL=0.0842 *6*; εM+=0.02473 *16*
(3355 *14*)	4009.4	0.00342	0.00658	8.1	0.0100	av Eβ=1053.4 *64*; εK=0.551 *4*; εL=0.0828 *6*; εM+=0.02432 *16*
(3364 *14*)	4000.4	0.0462	0.0878	7.0	0.134	av Eβ=1057.5 *64*; εK=0.549 *4*; εL=0.0824 *6*; εM+=0.02422 *16*
(3383 *14*)	3981.0	0.0074	0.014	7.8	0.021	av Eβ=1066.3 *64*; εK=0.544 *4*; εL=0.0817 *6*; εM+=0.02401 *16*
(3396 *14*)	3968.5	0.0747	0.136	6.8	0.211	av Eβ=1072.0 *64*; εK=0.541 *4*; εL=0.0812 *6*;

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε @	Log ft #	I(ε+β+) †@	Comments
						εM+=0.02387 *16*
(3434 *14*)	3929.8	0.015	0.025	7.5	0.040	av Eβ=1089.5 *64*; εK=0.532 *4*; εL=0.0798 *6*; εM+=0.02344 *16*
(3437 *14*)	3927.0	0.0490	0.0850	7.0	0.134	av Eβ=1090.8 *64*; εK=0.531 *4*; εL=0.0797 *6*; εM+=0.02341 *16*
(3440 *14*)	3924.23	0.293	0.507	6.2	0.800	av Eβ=1092.1 *64*; εK=0.530 *4*; εL=0.0796 *6*; εM+=0.02338 *16*
(3448 *14*)	3916.04	0.232	0.397	6.3	0.629	av Eβ=1095.8 *64*; εK=0.528 *4*; εL=0.0793 *6*; εM+=0.02329 *16*
(3460 *14*)	3903.7	0.016	0.026	7.5	0.042	av Eβ=1101.4 *64*; εK=0.525 *4*; εL=0.0788 *6*; εM+=0.02315 *16*
(3463 *14*)	3900.8	0.016	0.028	7.5	0.044	av Eβ=1102.7 *64*; εK=0.524 *4*; εL=0.0787 *6*; εM+=0.02312 *16*
(3468 *14*)	3895.7	0.129	0.215	6.6	0.344	av Eβ=1105.0 *64*; εK=0.523 *4*; εL=0.0785 *6*; εM+=0.02307 *16*
(3472 *14*)	3892.2	0.011	0.018	7.7	0.029	av Eβ=1106.6 *64*; εK=0.522 *4*; εL=0.0784 *6*; εM+=0.02303 *16*
(3490 *14*)	3873.64	0.122	0.199	6.7	0.321	av Eβ=1115.0 *64*; εK=0.518 *4*; εL=0.0777 *6*; εM+=0.02283 *16*
(3494 *14*)	3870.0	0.0758	0.122	6.9	0.198	av Eβ=1116.7 *64*; εK=0.517 *4*; εL=0.0776 *6*; εM+=0.02279 *16*
(3506 *14*)	3857.89	0.772	1.23	5.9	2.00	av Eβ=1122.2 *64*; εK=0.514 *4*; εL=0.0771 *6*; εM+=0.02265 *16*
(3530 *14*)	3834.3	0.0424	0.0656	7.1	0.108	av Eβ=1132.9 *64*; εK=0.508 *4*; εL=0.0762 *6*; εM+=0.02240 *16*
(3551 *14*)	3812.8	0.024	0.036	7.4	0.060	av Eβ=1142.7 *64*; εK=0.503 *4*; εL=0.0755 *6*; εM+=0.02217 *16*
(3560 *14*)	3804.2	0.112	0.166	6.7	0.278	av Eβ=1146.6 *64*; εK=0.501 *4*; εL=0.0751 *6*; εM+=0.02207 *15*
(3571 *14*)	3792.6	0.170	0.249	6.6	0.419	av Eβ=1151.9 *64*; εK=0.498 *4*; εL=0.0747 *6*; εM+=0.02195 *15*
(3575 *14*)	3789.1	0.028	0.042	7.4	0.070	av Eβ=1153.5 *64*; εK=0.497 *4*; εL=0.0746 *6*; εM+=0.02191 *15*
(3581 *14*)	3782.8	0.013	0.019	7.7	0.032	av Eβ=1156.4 *64*; εK=0.496 *4*; εL=0.0744 *6*; εM+=0.02184 *15*
(3597 *14*)	3766.6	0.0437	0.0623	7.2	0.106	av Eβ=1163.7 *64*; εK=0.492 *4*; εL=0.0738 *5*; εM+=0.02167 *15*
(3614 *14*)	3749.8	0.0559	0.0781	7.1	0.134	av Eβ=1171.4 *64*; εK=0.488 *4*; εL=0.0732 *5*; εM+=0.02149 *15*
(3620 *14*)	3743.6	0.011	0.016	7.8	0.027	av Eβ=1174.2 *64*; εK=0.487 *4*; εL=0.0729 *5*; εM+=0.02143 *15*
(3631 *14*)	3733.22	0.239	0.328	6.5	0.567	av Eβ=1179.0 *64*; εK=0.484 *4*; εL=0.0726 *5*; εM+=0.02132 *15*
(3640 *14*)	3724.1	0.020	0.027	7.6	0.047	av Eβ=1183.1 *64*; εK=0.482 *4*; εL=0.0722 *5*; εM+=0.02122 *15*
(3660 *14*)	3704.29	0.606	0.804	6.1	1.41	av Eβ=1192.1 *64*; εK=0.477 *4*; εL=0.0715 *5*; εM+=0.02101 *15*
(3670 *14*)	3693.6	0.0078	0.010	8.0	0.018	av Eβ=1197.0 *64*; εK=0.475 *4*; εL=0.0712 *5*; εM+=0.02090 *15*
(3673 *14*)	3690.61	0.279	0.364	6.4	0.643	av Eβ=1198.4 *64*; εK=0.474 *4*; εL=0.0710 *5*; εM+=0.02087 *15*
(3704 *14*)	3660.3	0.0796	0.100	7.0	0.180	av Eβ=1212.2 *64*; εK=0.467 *4*; εL=0.0700 *5*; εM+=0.02055 *15*
(3709 *14*)	3654.7	0.261	0.326	6.5	0.587	av Eβ=1214.8 *64*; εK=0.466 *4*; εL=0.0698 *5*; εM+=0.02049 *15*
(3725 *14*)	3638.7	0.017	0.020	7.7	0.037	av Eβ=1222.1 *64*; εK=0.462 *4*; εL=0.0692 *5*; εM+=0.02033 *15*

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
(3751 *14*)	3613.2	0.010	0.012	7.9	0.022	av Eβ=1233.7 *64*; εK=0.456 *4*; εL=0.0683 *5*; εM+=0.02007 *15*
(3763 *14*)	3600.6	0.016	0.019	7.7	0.035	av Eβ=1239.5 *64*; εK=0.453 *4*; εL=0.0679 *5*; εM+=0.01994 *15*
(3775 *14*)	3588.9	0.175	0.203	6.7	0.378	av Eβ=1244.8 *64*; εK=0.451 *4*; εL=0.0675 *5*; εM+=0.01982 *15*
(3778 *14*)	3586.2	0.015	0.018	7.8	0.033	av Eβ=1246.1 *64*; εK=0.450 *4*; εL=0.0674 *5*; εM+=0.01979 *15*
(3786 *14*)	3577.8	0.035	0.041	7.4	0.076	av Eβ=1249.9 *64*; εK=0.448 *4*; εL=0.0671 *5*; εM+=0.01971 *15*
(3796 *14*)	3567.55	0.181	0.205	6.7	0.386	av Eβ=1254.6 *64*; εK=0.446 *4*; εL=0.0668 *5*; εM+=0.01961 *15*
(3799 *14*)	3565.0	0.019	0.021	7.7	0.040	av Eβ=1255.8 *64*; εK=0.445 *4*; εL=0.0667 *5*; εM+=0.01958 *15*
(3814 *14*)	3550.2	0.038	0.042	7.4	0.080	av Eβ=1262.5 *65*; εK=0.442 *4*; εL=0.0662 *5*; εM+=0.01943 *14*
(3822 *14*)	3542.3	0.00475	0.00525	8.3	0.0100	av Eβ=1266.2 *65*; εK=0.440 *4*; εL=0.0659 *5*; εM+=0.01935 *14*
(3828 *14*)	3535.80	0.206	0.227	6.7	0.433	av Eβ=1269.1 *64*; εK=0.439 *4*; εL=0.0657 *5*; εM+=0.01929 *14*
(3834 *14*)	3530.4	0.017	0.018	7.8	0.035	av Eβ=1271.6 *65*; εK=0.438 *4*; εL=0.0655 *5*; εM+=0.01923 *14*
(3835 *14*)	3529.4	0.0722	0.0788	7.1	0.151	av Eβ=1272.1 *65*; εK=0.437 *4*; εL=0.0655 *5*; εM+=0.01922 *14*
(3835 *14*)	3528.6	0.0679	0.0741	7.2	0.142	av Eβ=1272.4 *65*; εK=0.437 *4*; εL=0.0654 *5*; εM+=0.01922 *14*
(3863 *14*)	3500.69	0.0855	0.0905	7.1	0.176	av Eβ=1285.2 *65*; εK=0.431 *3*; εL=0.0645 *5*; εM+=0.01894 *14*
(3867 *14*)	3497.0	0.024	0.026	7.6	0.050	av Eβ=1286.9 *65*; εK=0.430 *3*; εL=0.0644 *5*; εM+=0.01890 *14*
(3868 *14*)	3496.1	0.031	0.032	7.5	0.063	av Eβ=1287.3 *65*; εK=0.430 *3*; εL=0.0643 *5*; εM+=0.01890 *14*
(3883 *14*)	3480.6	0.028	0.030	7.6	0.058	av Eβ=1294.4 *65*; εK=0.427 *3*; εL=0.0638 *5*; εM+=0.01874 *14*
(3890 *14*)	3473.8	0.013	0.014	7.9	0.027	av Eβ=1297.5 *65*; εK=0.425 *3*; εL=0.0636 *5*; εM+=0.01868 *14*
(3897 *14*)	3467.0	0.011	0.012	8.0	0.023	av Eβ=1300.6 *65*; εK=0.424 *3*; εL=0.0634 *5*; εM+=0.01861 *14*
(3899 *14*)	3465.3	0.020	0.020	7.7	0.040	av Eβ=1301.4 *65*; εK=0.423 *3*; εL=0.0633 *5*; εM+=0.01860 *14*
(3899 *14*)	3464.6	0.010	0.011	8.0	0.021	av Eβ=1301.7 *65*; εK=0.423 *3*; εL=0.0633 *5*; εM+=0.01859 *14*
(3905 *14*)	3458.78	0.0864	0.0876	7.1	0.174	av Eβ=1304.4 *65*; εK=0.422 *3*; εL=0.0631 *5*; εM+=0.01853 *14*
(3923 *14*)	3441.2	0.025	0.025	7.7	0.050	av Eβ=1312.5 *65*; εK=0.418 *3*; εL=0.0625 *5*; εM+=0.01836 *14*
(3923 *14*)	3440.7	0.033	0.033	7.5	0.066	av Eβ=1312.7 *65*; εK=0.418 *3*; εL=0.0625 *5*; εM+=0.01836 *14*
(3941 *14*)	3422.7	0.030	0.029	7.6	0.059	av Eβ=1320.9 *65*; εK=0.414 *3*; εL=0.0619 *5*; εM+=0.01819 *14*
(3950 *14*)	3414.4	0.020	0.019	7.8	0.039	av Eβ=1324.7 *65*; εK=0.412 *3*; εL=0.0617 *5*; εM+=0.01811 *14*
(3951 *14*)	3413.0	0.012	0.011	8.0	0.023	av Eβ=1325.4 *65*; εK=0.412 *3*; εL=0.0616 *5*; εM+=0.01809 *14*
(3959 *14*)	3405.2	0.040	0.038	7.5	0.078	av Eβ=1329.0 *65*; εK=0.410 *3*; εL=0.0614 *5*; εM+=0.01802 *14*
(3969 *14*)	3395.0	0.024	0.023	7.7	0.047	av Eβ=1333.6 *65*; εK=0.408 *3*; εL=0.0610 *5*;

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
						εM+=0.01792 *14*
(3981 *14*)	3383.2	0.0836	0.0784	7.2	0.162	av Eβ=1339.1 *65*; εK=0.406 *3*; εL=0.0607 *5*; εM+=0.01781 *14*
(3985 *14*)	3378.87	0.0651	0.0609	7.3	0.126	av Eβ=1341.0 *65*; εK=0.405 *3*; εL=0.0605 *5*; εM+=0.01777 *14*
(3998 *14*)	3366.3	0.020	0.018	7.8	0.038	av Eβ=1346.8 *65*; εK=0.402 *3*; εL=0.0601 *5*; εM+=0.01765 *13*
(4008 *14*)	3356.4	0.0925	0.0845	7.1	0.177	av Eβ=1351.4 *65*; εK=0.400 *3*; εL=0.0598 *5*; εM+=0.01756 *13*
(4015 *14*)	3348.9	0.048	0.044	7.4	0.092	av Eβ=1354.8 *65*; εK=0.398 *3*; εL=0.0596 *5*; εM+=0.01749 *13*
(4024 *14*)	3339.54	0.179	0.161	6.9	0.340	av Eβ=1359.1 *65*; εK=0.397 *3*; εL=0.0593 *5*; εM+=0.01741 *13*
(4029 *14*)	3335.5	0.040	0.036	7.5	0.076	av Eβ=1361.0 *65*; εK=0.396 *3*; εL=0.0592 *5*; εM+=0.01737 *13*
(4038 *14*)	3326.5	0.00689	0.00611	8.3	0.0130	av Eβ=1365.1 *65*; εK=0.394 *3*; εL=0.0589 *5*; εM+=0.01729 *13*
(4059 *14*)	3304.9	0.212	0.184	6.8	0.396	av Eβ=1375.0 *65*; εK=0.389 *3*; εL=0.0582 *5*; εM+=0.01709 *13*
(4070 *14*)	3294.2	0.050	0.043	7.5	0.093	av Eβ=1379.9 *65*; εK=0.387 *3*; εL=0.0579 *5*; εM+=0.01699 *13*
(4072 *14*)	3292.38	0.162	0.138	6.9	0.300	av Eβ=1380.8 *65*; εK=0.387 *3*; εL=0.0578 *5*; εM+=0.01698 *13*
(4085 *14*)	3279.3	0.0780	0.0660	7.3	0.144	av Eβ=1386.8 *65*; εK=0.384 *3*; εL=0.0574 *5*; εM+=0.01686 *13*
(4106 *14*)	3257.9	0.0749	0.0621	7.3	0.137	av Eβ=1396.6 *65*; εK=0.380 *3*; εL=0.0568 *5*; εM+=0.01667 *13*
(4165 *14*)	3199.06	0.0645	0.0505	7.4	0.115	av Eβ=1423.7 *65*; εK=0.368 *3*; εL=0.0550 *5*; εM+=0.01615 *13*
(4166 *14*)	3197.6	0.00729	0.00571	8.4	0.0130	av Eβ=1424.4 *65*; εK=0.368 *3*; εL=0.0550 *5*; εM+=0.01614 *13*
(4169 *14*)	3194.6	0.017	0.014	8.0	0.031	av Eβ=1425.8 *65*; εK=0.367 *3*; εL=0.0549 *5*; εM+=0.01611 *13*
(4181 *14*)	3183.35	0.138	0.107	7.1	0.245	av Eβ=1430.9 *65*; εK=0.365 *3*; εL=0.0546 *4*; εM+=0.01602 *12*
(4187 *14*)	3177.27	0.191	0.146	6.9	0.337	av Eβ=1433.7 *65*; εK=0.364 *3*; εL=0.0544 *4*; εM+=0.01597 *12*
(4191 *14*)	3172.8	0.239	0.182	6.9	0.421	av Eβ=1435.8 *65*; εK=0.363 *3*; εL=0.0543 *4*; εM+=0.01593 *12*
(4208 *14*)	3156.48	0.165	0.124	7.0	0.289	av Eβ=1443.3 *65*; εK=0.360 *3*; εL=0.0538 *4*; εM+=0.01579 *12*
(4212 *14*)	3152.0	0.0771	0.0579	7.4	0.135	av Eβ=1445.4 *65*; εK=0.359 *3*; εL=0.0536 *4*; εM+=0.01575 *12*
(4214 *14*)	3150.46	0.141	0.105	7.1	0.246	av Eβ=1446.1 *65*; εK=0.359 *3*; εL=0.0536 *4*; εM+=0.01574 *12*
(4223 *14*)	3141.1	0.018	0.014	8.0	0.032	av Eβ=1450.4 *65*; εK=0.357 *3*; εL=0.0533 *4*; εM+=0.01566 *12*
(4230 *14*)	3133.9	0.014	0.010	8.1	0.024	av Eβ=1453.7 *65*; εK=0.356 *3*; εL=0.0531 *4*; εM+=0.01560 *12*
(4233 *14*)	3131.43	0.139	0.103	7.1	0.242	av Eβ=1454.9 *65*; εK=0.355 *3*; εL=0.0531 *4*; εM+=0.01558 *12*
(4251 *14*)	3112.62	0.160	0.116	7.1	0.276	av Eβ=1463.5 *65*; εK=0.352 *3*; εL=0.0525 *4*; εM+=0.01542 *12*
(4256 *14*)	3108.0	0.00988	0.00712	8.3	0.0170	av Eβ=1465.7 *65*; εK=0.351 *3*; εL=0.0524 *4*; εM+=0.01538 *12*
(4262 *14*)	3101.91	0.153	0.109	7.1	0.262	av Eβ=1468.5 *65*; εK=0.350 *3*; εL=0.0522 *4*; εM+=0.01533 *12*

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
(4281 *14*)	3082.8	0.012	0.0087	8.2	0.021	av Eβ=1477.3 *65*; εK=0.346 *3*; εL=0.0517 *4*; εM+=0.01517 *12*
(4295 *14*)	3069.39	0.0696	0.0484	7.4	0.1180	av Eβ=1483.5 *65*; εK=0.344 *3*; εL=0.0513 *4*; εM+=0.01507 *12*
(4296 *14*)	3067.9	0.012	0.0086	8.2	0.021	av Eβ=1484.2 *65*; εK=0.343 *3*; εL=0.0513 *4*; εM+=0.01505 *12*
(4325 *14*)	3038.70	0.296	0.200	6.8	0.496	av Eβ=1497.6 *65*; εK=0.338 *3*; εL=0.0505 *4*; εM+=0.01482 *12*
(4354 *14*)	3010.3	0.00844	0.00556	8.4	0.0140	av Eβ=1510.8 *65*; εK=0.333 *3*; εL=0.0497 *4*; εM+=0.01459 *11*
(4358 *14*)	3005.97	0.291	0.191	6.9	0.482	av Eβ=1512.8 *65*; εK=0.3323 *25*; εL=0.0496 *4*; εM+=0.01456 *11*
(4384 *14*)	2979.83	0.189	0.122	7.1	0.311	av Eβ=1524.8 *65*; εK=0.3277 *25*; εL=0.0489 *4*; εM+=0.01436 *11*
(4392 *14*)	2972.00	0.244	0.156	7.0	0.400	av Eβ=1528.5 *65*; εK=0.3263 *25*; εL=0.0487 *4*; εM+=0.01429 *11*
(4408 *14*)	2955.73	0.450	0.283	6.7	0.733	av Eβ=1536.0 *65*; εK=0.3235 *25*; εL=0.0483 *4*; εM+=0.01417 *11*
(4417 *14*)	2946.8	0.021	0.013	8.0	0.034	av Eβ=1540.1 *65*; εK=0.3220 *25*; εL=0.0480 *4*; εM+=0.01410 *11*
(4420 *14*)	2943.94	0.057	0.036	7.6	0.093	av Eβ=1541.4 *65*; εK=0.3215 *25*; εL=0.0480 *4*; εM+=0.01408 *11*
(4434 *14*)	2930.35	0.002	0.001	9.1	0.003	av Eβ=1547.7 *65*; εK=0.3191 *24*; εL=0.0476 *4*; εM+=0.01398 *11*
(4436 *14*)	2928.2	0.028	0.017	7.9	0.045	av Eβ=1548.7 *65*; εK=0.3188 *24*; εL=0.0476 *4*; εM+=0.01396 *11*
(4453 *14*)	2911.0	0.00686	0.00414	8.5	0.0110	av Eβ=1556.7 *65*; εK=0.3159 *24*; εL=0.0471 *4*; εM+=0.01383 *11*
(4508 *14*)	2855.84	0.299	0.173	6.9	0.472	av Eβ=1582.2 *65*; εK=0.3067 *23*; εL=0.0457 *4*; εM+=0.01342 *11*
(4519 *14*)	2844.95	0.706	0.404	6.6	1.110	av Eβ=1587.2 *65*; εK=0.3049 *23*; εL=0.0455 *4*; εM+=0.01335 *11*
(4528 *14*)	2836.5	0.186	0.105	7.2	0.291	av Eβ=1591.1 *65*; εK=0.3035 *23*; εL=0.0453 *4*; εM+=0.01329 *10*
(4563 *14*)	2800.63	0.417	0.230	6.8	0.647	av Eβ=1607.8 *65*; εK=0.2977 *23*; εL=0.0444 *4*; εM+=0.01303 *10*
(4623 *14*)	2740.89	0.205	0.107	7.2	0.312	av Eβ=1635.5 *65*; εK=0.2884 *22*; εL=0.0430 *4*; εM+=0.01262 *10*
(4650 *14*)	2713.59	0.266	0.137	7.1	0.403	av Eβ=1648.1 *65*; εK=0.2842 *22*; εL=0.0424 *4*; εM+=0.01243 *10*
(4667 *14*)	2697.11	0.117	0.0591	7.4	0.176	av Eβ=1655.8 *65*; εK=0.2817 *22*; εL=0.0420 *4*; εM+=0.01232 *10*
(4692 *14*)	2671.66	0.044	0.055	9.4[1u]	0.099	av Eβ=1647.8 *63*; εK=0.466 *3*; εL=0.0709 *4*; εM+=0.02087 *12*
(4729 *14*)	2635.3	0.032	0.015	8.0	0.047	av Eβ=1684.5 *65*; εK=0.2726 *21*; εL=0.0406 *3*; εM+=0.01192 *9*
(4746 *14*)	2618.50	0.190	0.0902	7.3	0.280	av Eβ=1692.3 *65*; εK=0.2701 *21*; εL=0.0402 *3*; εM+=0.01181 *9*
(4835 *14*)	2529.21	0.593	0.263	6.8	0.856	av Eβ=1733.8 *66*; εK=0.2576 *20*; εL=0.0384 *3*; εM+=0.01126 *9*
(4843 *14*)	2521.06	0.576	0.254	6.8	0.830	av Eβ=1737.6 *66*; εK=0.2565 *20*; εL=0.0382 *3*; εM+=0.01121 *9*
(4854 *14*)	2509.7	0.022	0.0097	8.3	0.032	av Eβ=1742.9 *66*; εK=0.2549 *19*; εL=0.0380 *3*; εM+=0.01114 *9*
(4903 *14*)	2460.97	0.655	0.276	6.8	0.931	av Eβ=1765.6 *66*; εK=0.2484 *19*; εL=0.0370 *3*; εM+=0.01085 *9*
(4929 *14*)	2434.89	0.164	0.0675	7.4	0.231	av Eβ=1777.7 *66*; εK=0.2450 *19*; εL=0.0365 *3*;

Continued on next page (footnotes at end of table)

^{150}Ho ε decay (72 s) 2003Al25 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ @	Iε@	Log ft#	I(ε+β+)†@	Comments
						εM+=0.01070 *8*
(4945 *14*)	2419.03	0.151	0.0614	7.5	0.212	av Eβ=1785.1 *66*; εK=0.2430 *18*; εL=0.0362 *3*; εM+=0.01061 *8*
(4952 *14*)	2412.00	0.327	0.133	7.1	0.460	av Eβ=1788.4 *66*; εK=0.2421 *18*; εL=0.0360 *3*; εM+=0.01057 *8*
(5017 *14*)	2346.65	0.894	0.346	6.7	1.240	av Eβ=1818.9 *66*; εK=0.2339 *18*; εL=0.0348 *3*; εM+=0.01021 *8*
(5027 *14*)	2337.11	0.571	0.219	6.9	0.790	av Eβ=1823.3 *66*; εK=0.2327 *18*; εL=0.0346 *3*; εM+=0.01016 *8*
(5033 *14*)	2330.92	0.216	0.0824	7.4	0.298	av Eβ=1826.2 *66*; εK=0.2319 *18*; εL=0.0345 *3*; εM+=0.01013 *8*
(5042 *14*)	2321.72	0.935	0.355	6.7	1.290	av Eβ=1830.5 *66*; εK=0.2308 *17*; εL=0.0344 *3*; εM+=0.01008 *8*
(5046 *14*)	2317.72	0.350	0.132	7.2	0.482	av Eβ=1832.4 *66*; εK=0.2303 *17*; εL=0.0343 *3*; εM+=0.01006 *8*
(5110 *14*)	2253.87	0.0771	0.0279	7.8	0.105	av Eβ=1862.2 *66*; εK=0.2227 *17*; εL=0.03314 *25*; εM+=0.00972 *8*
(5138 *14*)	2226.12	0.014	0.0050	8.6	0.019	av Eβ=1875.1 *66*; εK=0.2195 *17*; εL=0.03266 *25*; εM+=0.00958 *7*
(5177 *14*)	2186.86	0.210	0.0726	7.4	0.283‡	av Eβ=1893.5 *66*; εK=0.2151 *16*; εL=0.03200 *24*; εM+=0.00939 *7*
(5313 *14*)	2051.35	0.589	0.185	7.1	0.774‡	av Eβ=1956.8 *66*; εK=0.2005 *15*; εL=0.02981 *22*; εM+=0.00875 *7*
(5381 *14*)	1983.21	1.26	0.379	6.8	1.64	av Eβ=1988.8 *66*; εK=0.1936 *14*; εL=0.02878 *21*; εM+=0.00844 *7*
(5471 *14*)	1893.01	0.126	0.0861	9.5 1*u*	0.212	av Eβ=1999.8 *64*; εK=0.3396 *20*; εL=0.0513 *3*; εM+=0.01510 *9*
(5578 *14*)	1786.40	2.15	0.568	6.6	2.72	av Eβ=2081.1 *66*; εK=0.1752 *13*; εL=0.02603 *19*; εM+=0.00764 *6*
(5907 *14*)	1456.99	3.26	1.66	8.3 1*u*	4.92	av Eβ=2198.7 *64*; εK=0.2825 *17*; εL=0.0426 *3*; εM+=0.01253 *8*
(5969 *14*)	1395.01	1.337	0.278	7.0	1.615	av Eβ=2265.3 *66*; εK=0.1444 *10*; εL=0.02144 *15*; εM+=0.00629 *5*
(6560 *14*)	803.67	11.1	1.67	6.3	12.8	av Eβ=2545.1 *67*; εK=0.1096 *7*; εL=0.01624 *11*; εM+=0.00476 *3*

† From intensity inbalance assuming feeding to the ground state is 0. These values should be considered approximate as the TAGS data show feeding to higher energy levels.
‡ Reported feeding is too high to be consistent with ΔJ^{π}.
# Deduced assuming Q(ε) = 7369 (15) keV from 2003Au03. Total ε+β+ feeding has been assumed as 100, although this represents only 46% decays of the parent.
@ Absolute intensity per 100 decays.

γ(^{150}Dy)

Iγ normalization: From Σ Iγ to ground state=100.

Continued on next page (footnotes at end of table)

^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ †	I_γ ‡#	E_i(level)	J_i^π	E_f	J_f^π	Comments
232.2 *5*	0.006	2419.03	3⁻,4,5⁻	2186.86	5⁻	
243.5 *5*	0.071	2226.12	3,2⁻,(2⁺)	1983.21	2⁺	
338.6 *5*	0.085	2321.72	2⁺	1983.21	2⁺	
363.8 *5*	0.062	2346.65	2⁺,(1⁻)	1983.21	2⁺	
366.5 *5*	0.108	2697.11	3,4,(2⁻,5⁻)	2330.92	4⁺,3⁺,(2⁺,3⁻)	
425.3 *5*	0.019	2317.72	2⁺,(1)	1893.01	0⁺	
427.9 *5*	0.005	2321.72	2⁺	1893.01	0⁺	
453.9 *5*	0.012	2346.65	2⁺,(1⁻)	1893.01	0⁺	
470.1 *5*	0.070	2521.06	3,4⁺	2051.35	4⁻	
525.2 *5*	0.055	2943.94	4,(3,5⁻)	2419.03	3⁻,4,5⁻	
535.7 *5*	0.181	2321.72	2⁺	1786.40	2⁺	
538.1 *5*	0.079	2521.06	3,4⁺	1983.21	2⁺	
560.9 *5*	0.190	2346.65	2⁺,(1⁻)	1786.40	2⁺	
591.6 *5*	25.5	1395.01	3⁻	803.67	2⁺	E_γ: from 2003Al25, other 591.3 *2* (1987To05).
610.7 *5*	0.076	3131.43	2,3,(4⁺,1⁻)	2521.06	3,4⁺	
625.0 *5*	0.027	2955.73	3⁻,4⁺	2330.92	4⁺,3⁺,(2⁺,3⁻)	
625.4 *5*	0.030	2412.00	4⁺,(2⁺,3)	1786.40	2⁺	
634.0 *5*	0.018	2955.73	3⁻,4⁺	2321.72	2⁺	
637.2 *5*	0.011	3567.55	3⁻	2930.35	4,(3⁻)	
653.41 *19*	18.1	1456.99	4⁺	803.67	2⁺	E_γ: average of 653.5 *5* (2003Al25) and 653.4 *2* (1987To05).
656.8 *5*	3.57	2051.35	4⁻	1395.01	3⁻	
673.3 *5*	0.021	3010.3	0⁺,1,2,(3⁻)	2337.11	2⁺,(1⁻)	
684.0 *5*	0.088	3005.97	4⁺,3⁻	2321.72	2⁺	
704.1 *5*	0.068	2930.35	4,(3⁻)	2226.12	3,2⁻,(2⁺)	
722.7 *5*	0.028	3567.55	3⁻	2844.95	2,3,(4⁺,1⁺)	
724.1 *5*	0.014	2911.0	(4,5,6)	2186.86	5⁻	
724.4 *5*	0.024	3704.29	3⁻	2979.83	2,3	
730.2 *5*	0.059	2955.73	3⁻,4⁺	2226.12	3,2⁻,(2⁺)	
730.4 *5*	0.267	2186.86	5⁻	1456.99	4⁺	
731.0 *5*	0.030	3150.46	4,(3⁻,5⁻)	2419.03	3⁻,4,5⁻	
734.0 *5*	0.358	2521.06	3,4⁺	1786.40	2⁺	
737.1 *5*	0.042	3067.9	2,3,4,(1⁻)	2330.92	4⁺,3⁺,(2⁺,3⁻)	
744.0 *5*	0.009	2930.35	4,(3⁻)	2186.86	5⁻	
757.9 *5*	0.055	2740.89	3⁻,(2⁺)	1983.21	2⁺	
760.5 *5*	0.056	3690.61	3⁻	2930.35	4,(3⁻)	
760.6 *5*	0.157	3704.29	3⁻	2943.94	4,(3,5⁻)	
769.1 *5*	0.030	2955.73	3⁻,4⁺	2186.86	5⁻	
780.0 *5*	0.060	3005.97	4⁺,3⁻	2226.12	3,2⁻,(2⁺)	
781.2 *5*	0.019	3112.62	3,(2⁺,4⁺)	2330.92	4⁺,3⁺,(2⁺,3⁻)	
785.0 *5*	0.016	3131.43	2,3,(4⁺,1⁻)	2346.65	2⁺,(1⁻)	
787.4 *5*	0.082	3199.06	(3,4)	2412.00	4⁺,(2⁺,3)	
792.2 *5*	0.370	2186.86	5⁻	1395.01	3⁻	
803.7 *1*	100.0	803.67	2⁺	0.0	0⁺	E_γ: from 1980Li18, other: 803.7 *5* (2003Al25).
816.0 *5*	0.039	4344.64	1⁻&(2,3)⁻	3528.6	3,(4⁻)	
818.0 *5*	0.013	2800.63	2⁺,(1⁻)	1983.21	2⁺	
818.7 *5*	0.010	3005.97	4⁺,3⁻	2186.86	5⁻	
821.1 *5*	0.080	4421.65	3⁻	3600.6	(3,4)	
830.6 *5*	0.024	3152.0	3,(2⁺,4⁺)	2321.72	2⁺	
831.5 *5*	1.61	2226.12	3,2⁻,(2⁺)	1395.01	3⁻	
835.1 *5*	0.038	3156.48	3,(4⁺)	2321.72	2⁺	
835.9 *5*	0.018	3172.8	(2,3)	2337.11	2⁺,(1⁻)	
844.3 *5*	0.057	4344.64	1⁻&(2,3)⁻	3500.69	(2,3)	
845.2 *5*	0.047	3366.3	(2,3,4)	2521.06	3,4⁺	
848.6 *5*	0.022	3693.6		2844.95	2,3,(4⁺,1⁺)	
848.7 *5*	0.005	3704.29	3⁻	2855.84	3,(2⁺,4⁺)	

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

$\gamma(^{150}Dy)$ (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
855.6 5	0.019	3177.27	$4^+,(3^-)$	2321.72	2^+
859.3 5	0.042	3112.62	$3,(2^+,4^+)$	2253.87	0^+ to $2,(3^-)$
859.6 5	0.063	3704.29	3^-	2844.95	$2,3,(4^+,1^+)$
862.0 5	0.081	2844.95	$2,3,(4^+,1^+)$	1983.21	2^+
863.2 5	0.008	4045.87	$(2,3)^-$	3183.35	$2^-,3^-$
872.8 5	0.041	2855.84	$3,(2^+,4^+)$	1983.21	2^+
874.2 5	1.63	2330.92	$4^+,3^+,(2^+,3^-)$	1456.99	4^+
875.1 5	0.014	3294.2	(4)	2419.03	$3^-,4,5^-$
879.1 5	0.419	2930.35	$4,(3^-)$	2051.35	4^-
885.6 5	0.012	2671.66	0^+	1786.40	2^+
899.9 5	0.010	4401.08	3^-	3500.69	(2,3)
904.3 5	0.040	2955.73	$3^-,4^+$	2051.35	4^-
904.5 5	0.013	3339.54	$2^+,(1^-)$	2434.89	$1^-,2$
907.5 5	0.015	4443.12	$(2,3)^-$	3535.80	$(2,3)^-$
913.6 5	0.026	3857.89	$1^-\&3^-$	2943.94	$4,(3,5^-)$
913.7 5	0.012	4449.65	1^-	3535.80	$(2,3)^-$
918.5 5	0.013	4102.35	$1^-\&(2,3)^-$	3183.35	$2^-,3^-$
920.9 5	0.010	4421.65	3^-	3500.69	(2,3)
925.6 5	0.118	3152.0	$3,(2^+,4^+)$	2226.12	$3,2^-,(2^+)$
925.8 5	0.015	4427.16	$(3,2)^-$	3500.69	(2,3)
926.4 5	0.086	3870.0	3^-	2943.94	$4,(3,5^-)$
927.0 5	2.86	2321.72	2^+	1395.01	3^-
927.0 5	0.029	3857.89	$1^-\&3^-$	2930.35	$4,(3^-)$
927.4 5	0.055	2713.59	$2^+,(1^-)$	1786.40	2^+
927.6 5	0.009	4220.68	3^-	3292.38	(3)
935.8 5	0.009	3916.04	3^-	2979.83	2,3
941.0 5	0.011	4421.65	3^-	3480.6	(2,3)
942.0 5	0.011	4401.08	3^-	3458.78	$3^-,4^+$
942.5 5	0.043	2337.11	$2^+,(1^-)$	1395.01	3^-
942.7 5	0.020	4443.12	$(2,3)^-$	3500.69	(2,3)
945.0 5	0.028	3924.23	3^-	2979.83	2,3
946.8 5	0.103	3172.8	(2,3)	2226.12	$3,2^-,(2^+)$
951.3 5	0.137	3177.27	$4^+,(3^-)$	2226.12	$3,2^-,(2^+)$
954.6 5	0.065	2740.89	$3^-,(2^+)$	1786.40	2^+
955.4 5	0.011	3292.38	(3)	2337.11	$2^+,(1^-)$
955.5 5	0.590	2412.00	$4^+,(2^+,3)$	1456.99	4^+
962.2 5	0.340	2419.03	$3^-,4,5^-$	1456.99	4^+
962.6 5	0.023	4421.65	3^-	3458.78	$3^-,4^+$
963.7 5	0.160	3150.46	$4,(3^-,5^-)$	2186.86	5^-
965.4 5	0.004	4304.99	1^-	3339.54	$2^+,(1^-)$
967.7 5	0.022	3304.9	(3,4)	2337.11	$2^+,(1^-)$
972.6 5	0.026	2955.73	$3^-,4^+$	1983.21	2^+
980.1 5	0.114	3924.23	3^-	2943.94	$4,(3,5^-)$
982.8 5	0.017	4361.62	1^-	3378.87	3^-
983.1 5	5.41	1786.40	2^+	803.67	2^+
985.8 5	0.029	3916.04	3^-	2930.35	$4,(3^-)$
990.8 5	0.017	3177.27	$4^+,(3^-)$	2186.86	5^-
996.7 5	0.035	2979.83	2,3	1983.21	2^+
1005.1 5	0.017	4344.64	$1^-\&(2,3)^-$	3339.54	$2^+,(1^-)$
1005.4 5	0.016	3335.5	$1,2^+$	2330.92	$4^+,3^+,(2^+,3^-)$
1009.2 5	0.025	3749.8	(1,2,3)	2740.89	$3^-,(2^+)$
1014.4 5	0.118	2800.63	$2^+,(1^-)$	1786.40	2^+
1017.2 5	0.078	2412.00	$4^+,(2^+,3)$	1395.01	3^-
1018.8 5	0.027	3356.4	(3)	2337.11	$2^+,(1^-)$
1021.6 5	0.014	4401.08	3^-	3378.87	3^-
1022.1 5	0.005	4361.62	1^-	3339.54	$2^+,(1^-)$

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1022.8 5	0.016	3005.97	$4^+,3^-$	1983.21	2^+
1023.7 5	0.048	2419.03	$3^-,4,5^-$	1395.01	3^-
1028.4 5	0.024	3873.64	$(2,3)^-$	2844.95	$2,3,(4^+,1^+)$
1031.5 5	0.026	3082.8	(3,4,5)	2051.35	4^-
1040.4 5	0.03	2434.89	$1^-,2$	1395.01	3^-
1042.7 5	0.067	4421.65	3^-	3378.87	3^-
1048.3 5	0.013	4427.16	$(3,2)^-$	3378.87	3^-
1049.6 5	0.014	2836.5		1786.40	2^+
1058.4 5	0.037	2844.95	$2,3,(4^+,1^+)$	1786.40	2^+
1064.1 5	0.044	4443.12	$(2,3)^-$	3378.87	3^-
1064.5 5	0.795	2521.06	$3,4^+$	1456.99	4^+
1066.2 5	0.30	2460.97	$2^+,(1^-)$	1395.01	3^-
1066.7 5	0.025	3292.38	(3)	2226.12	$3,2^-,(2^+)$
1067.7 5	0.014	4445.98	3^-	3378.87	3^-
1068.5 5	0.089	3294.2	(4)	2226.12	$3,2^-,(2^+)$
1069.0 5	0.080	2855.84	$3,(2^+,4^+)$	1786.40	2^+
1072.1 5	0.050	2529.21	2^+	1456.99	4^+
1078.8 5	0.101	3304.9	(3,4)	2226.12	$3,2^-,(2^+)$
1079.6 5	0.036	3924.23	3^-	2844.95	$2,3,(4^+,1^+)$
1087.8 5	0.004	4427.16	$(3,2)^-$	3339.54	$2^+,(1^-)$
1089.4 5	1.32	1893.01	0^+	803.67	2^+
1099.4 5	0.029	3150.46	$4,(3^-,5^-)$	2051.35	4^-
1101.8 5	0.020	4170.71	$3^-\&1^-$	3069.39	$1,(2^+)$
1105.6 5	0.126	3156.48	$3,(4^+)$	2051.35	4^-
1105.9 5	0.006	4445.98	3^-	3339.54	$2^+,(1^-)$
1107.1 5	0.012	3294.2	(4)	2186.86	5^-
1108.8 5	0.034	4401.08	3^-	3292.38	(3)
1109.7 5	0.021	3440.7	(1,2,3)	2330.92	$4^+,3^+,(2^+,3^-)$
1110.1 5	0.007	4449.65	1^-	3339.54	$2^+,(1^-)$
1112.5 5	0.013	4491.80	3^-	3378.87	3^-
1115.1 5	0.022	4154.1	$(2,3)^-$	3038.70	$2^+,(1^-)$
1116.9 5	0.015	4495.55	3^-	3378.87	3^-
1117.3 5	0.025	3857.89	$1^-\&3^-$	2740.89	$3^-,(2^+)$
1121.3 5	0.026	3792.6	$2^+,1^-$	2671.66	0^+
1126.4 5	0.096	3177.27	$4^+,(3^-)$	2051.35	4^-
1126.6 5	0.265	2521.06	$3,4^+$	1395.01	3^-
1127.3 5	0.011	3458.78	$3^-,4^+$	2330.92	$4^+,3^+,(2^+,3^-)$
1129.1 5	0.049	3112.62	$3,(2^+,4^+)$	1983.21	2^+
1129.9 5	0.036	3356.4	(3)	2226.12	$3,2^-,(2^+)$
1129.9 5	0.002	4469.7	$(2,3)^-$	3339.54	$2^+,(1^-)$
1130.8 5	0.013	4102.35	$1^-\&(2,3)^-$	2972.00	$2^+,(1^-)$
1132.1 5	0.040	3183.35	$2^-,3^-$	2051.35	4^-
1132.8 5	0.014	3873.64	$(2,3)^-$	2740.89	$3^-,(2^+)$
1133.7 5	0.026	3464.6	(2,3,4)	2330.92	$4^+,3^+,(2^+,3^-)$
1134.5 5	0.382	2529.21	2^+	1395.01	3^-
1141.8 5	0.056	2928.2		1786.40	2^+
1150.1 5	0.032	4344.64	$1^-\&(2,3)^-$	3194.6	$(0^+$ to 3)
1161.2 5	0.028	3857.89	$1^-\&3^-$	2697.11	$3,4,(2^-,5^-)$
1161.8 5	0.175	2618.50	$3,4^+,(2^+)$	1456.99	4^+
1163.7 5	0.035	3500.69	(2,3)	2337.11	$2^+,(1^-)$
1166.3 5	0.023	3497.0	$(0^+,2,3,4)$	2330.92	$4^+,3^+,(2^+,3^-)$
1167.0 5	0.002	4445.98	3^-	3279.3	$2^+,(1^-)$
1173.8 5	0.014	4356.75	$(2,3)^-$	3183.35	$2^-,3^-$
1177.4 5	0.006	4361.62	1^-	3183.35	$2^-,3^-$
1180.1 5	4.02	1983.21	2^+	803.67	2^+
1185.9 5	0.057	2972.00	$2^+,(1^-)$	1786.40	2^+

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1190.9 5	0.007	4482.67	3^-	3292.38	(3)
1194.6 5	0.006	4486.67	$(3)^-$	3292.38	(3)
1194.7 5	0.021	4574.29	3^-	3378.87	3^-
1198.9 5	0.019	3535.80	$(2,3)^-$	2337.11	2^+,(1^-)
1199.3 5	0.020	3530.4	(1,2,3)	2330.92	4^+,3^+,$(2^+,3^-)$
1199.4 5	0.007	4491.80	3^-	3292.38	(3)
1201.8 5	0.011	4401.08	3^-	3199.06	(3,4)
1203.2 5	0.004	4495.55	3^-	3292.38	(3)
1213.4 5	0.010	4553.03	$(3)^-$	3339.54	2^+,(1^-)
1214.1 5	0.028	3535.80	$(2,3)^-$	2321.72	2^+
1216.2 5	0.005	4495.55	3^-	3279.3	2^+,(1^-)
1220.0 5	0.220	3005.97	4^+,3^-	1786.40	2^+
1222.6 5	0.014	4421.65	3^-	3199.06	(3,4)
1225.8 5	0.029	4706.18	$(2,3)^-$	3480.6	(2,3)
1240.3 5	0.059	2635.3	2,3,4	1395.01	3^-
1240.4 5	0.521	2697.11	3,4,$(2^-,5^-)$	1456.99	4^+
1240.6 5	0.006	4439.18	$(2,3)^-$	3199.06	(3,4)
1240.8 5	0.065	3292.38	(3)	2051.35	4^-
1242.6 5	0.003	4344.64	1^-&$(2,3)^-$	3101.91	2,$(1^-,3^-)$
1244.2 5	0.019	4427.16	$(3,2)^-$	3183.35	2^-,3^-
1244.4 5	0.002	4523.56	$(2,3)^-$	3279.3	2^+,(1^-)
1244.7 5	0.005	4421.65	3^-	3177.27	4^+,(3^-)
1246.0 5	0.003	4045.87	$(2,3)^-$	2800.63	2^+,(1^-)
1250.3 5	0.010	4401.08	3^-	3150.46	4,$(3^-,5^-)$
1253.8 5	0.058	3304.9	(3,4)	2051.35	4^-
1263.0 5	0.004	4602.0	3^-	3339.54	2^+,(1^-)
1265.6 5	0.023	4421.65	3^-	3156.48	3,(4^+)
1270.1 5	0.009	4401.08	3^-	3131.43	2,3,$(4^+,1^-)$
1270.5 5	0.027	4427.16	$(3,2)^-$	3156.48	3,(4^+)
1270.7 5	0.039	3497.0	$(0^+,2,3,4)$	2226.12	3,2^-,(2^+)
1271.2 5	0.016	4421.65	3^-	3150.46	4,$(3^-,5^-)$
1271.4 5	0.010	3458.78	3^-,4^+	2186.86	5^-
1271.4 5	0.012	3690.61	3^-	2419.03	3^-,4,5^-
1274.4 5	0.043	3500.69	(2,3)	2226.12	3,2^-,(2^+)
1274.8 5	0.025	4344.64	1^-&$(2,3)^-$	3069.39	1,(2^+)
1275.7 5	0.003	4377.51	1^-	3101.91	2,$(1^-,3^-)$
1284.3 5	0.407	2740.89	3^-,(2^+)	1456.99	4^+
1284.6 5	0.018	4482.67	3^-	3197.6	(2,3)
1287.5 5	0.031	4356.75	$(2,3)^-$	3069.39	1,(2^+)
1289.8 5	0.017	4445.98	3^-	3156.48	3,(4^+)
1290.1 5	0.017	4421.65	3^-	3131.43	2,3,$(4^+,1^-)$
1296.9 5	0.007	4495.55	3^-	3199.06	(3,4)
1298.9 5	0.018	4482.67	3^-	3183.35	2^-,3^-
1302.4 5	0.076	2697.11	3,4,$(2^-,5^-)$	1395.01	3^-
1303.4 5	0.042	3529.4	$(0^+$ to 3)	2226.12	3,2^-,(2^+)
1305.6 5	0.034	3356.4	(3)	2051.35	4^-
1305.8 5	0.012	4344.64	1^-&$(2,3)^-$	3038.70	2^+,(1^-)
1309.4 5	0.039	4421.65	3^-	3112.62	3,$(2^+,4^+)$
1314.7 5	0.010	4491.80	3^-	3177.27	4^+,(3^-)
1315.3 5	0.025	3101.91	2,$(1^-,3^-)$	1786.40	2^+
1318.2 5	0.031	4356.75	$(2,3)^-$	3038.70	2^+,(1^-)
1319.0 5	0.392	2713.59	2^+,(1^-)	1395.01	3^-
1326.6 5	0.098	3112.62	3,$(2^+,4^+)$	1786.40	2^+
1328.8 5	0.028	3857.89	1^-&3^-	2529.21	2^+
1335.0 5	0.15	4344.64	1^-&$(2,3)^-$	3010.3	0^+,1,2,(3^-)
1335.5 5	0.008	4518.52	1^-	3183.35	2^-,3^-

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1342.0 5	0.056	3567.55	3^-	2226.12	$3,2^-,(2^+)$
1343.9 5	0.005	4445.98	3^-	3101.91	$2,(1^-,3^-)$
1345.4 5	0.088	3131.43	$2,3,(4^+,1^-)$	1786.40	2^+
1345.8 5	0.029	2740.89	$3^-,(2^+)$	1395.01	3^-
1351.0 5	0.012	4361.62	1^-	3010.3	$0^+,1,2,(3^-)$
1353.8 5	0.016	4421.65	3^-	3067.9	$2,3,4,(1^-)$
1354.1 5	0.034	3405.2	(3,4)	2051.35	4^-
1354.8 5	0.044	3766.6	(2,3,4)	2412.00	$4^+,(2^+,3)$
1355.7 5	0.004	4486.67	$(3)^-$	3131.43	$2,3,(4^+,1^-)$
1358.1 5	0.009	4427.16	$(3,2)^-$	3069.39	$1,(2^+)$
1362.6 5	0.006	4431.74	1^-	3069.39	$1,(2^+)$
1362.7 5	0.030	4401.08	3^-	3038.70	$2^+,(1^-)$
1363.1 5	0.035	3414.4	(3,4)	2051.35	4^-
1365.5 5	0.069	4344.64	$1^-\&(2,3)^-$	2979.83	2,3
1373.3 5	0.080	4344.64	$1^-\&(2,3)^-$	2972.00	$2^+,(1^-)$
1373.6 5	0.017	4086.92	1^-	2713.59	$2^+,(1^-)$
1373.8 5	0.026	3834.3	1^-	2460.97	$2^+,(1^-)$
1374.0 5	0.027	4443.12	$(2,3)^-$	3069.39	$1,(2^+)$
1374.4 5	0.024	4486.67	$(3)^-$	3112.62	$3,(2^+,4^+)$
1374.8 5	0.029	3600.6	(3,4)	2226.12	$3,2^-,(2^+)$
1375.2 5	0.007	4574.29	3^-	3199.06	(3,4)
1378.5 5	0.007	4417.20	$(2,3)^-$	3038.70	$2^+,(1^-)$
1380.8 5	0.010	4482.67	3^-	3101.91	$2,(1^-,3^-)$
1380.9 5	0.009	4449.65	1^-	3069.39	$1,(2^+)$
1382.7 5	0.061	3704.29	3^-	2321.72	2^+
1383.4 5	0.028	4495.55	3^-	3112.62	$3,(2^+,4^+)$
1384.9 5	0.016	4486.67	$(3)^-$	3101.91	$2,(1^-,3^-)$
1385.2 5	0.033	4356.75	$(2,3)^-$	2972.00	$2^+,(1^-)$
1389.8 5	0.062	3441.2	(3,4,5)	2051.35	4^-
1390.3 5	0.005	4491.80	3^-	3101.91	$2,(1^-,3^-)$
1393.2 5	0.020	4431.74	1^-	3038.70	$2^+,(1^-)$
1394.1 5	0.006	4495.55	3^-	3101.91	$2,(1^-,3^-)$
1394.5 5	0.003	4733.50	$(2,3)^-$	3339.54	$2^+,(1^-)$
1395.8 5	0.078	4401.08	3^-	3005.97	$4^+,3^-$
1397.1 5	0.010	4574.29	3^-	3177.27	$4^+,(3^-)$
1399.2 5	0.338	2855.84	$3,(2^+,4^+)$	1456.99	4^+
1399.8 5	0.017	3383.2	(3)	1983.21	2^+
1402.2 5	0.132	3733.22	3^-	2330.92	$4^+,3^+,(2^+,3^-)$
1402.9 5	0.016	3749.8	(1,2,3)	2346.65	$2^+,(1^-)$
1404.3 5	0.040	4443.12	$(2,3)^-$	3038.70	$2^+,(1^-)$
1413.3 5	0.031	4154.1	$(2,3)^-$	2740.89	$3^-,(2^+)$
1415.4 5	0.032	4421.65	3^-	3005.97	$4^+,3^-$
1421.1 5	0.040	4427.16	$(3,2)^-$	3005.97	$4^+,3^-$
1421.2 5	0.037	4401.08	3^-	2979.83	2,3
1422.0 5	0.002	4523.56	$(2,3)^-$	3101.91	$2,(1^-,3^-)$
1422.1 5	0.009	4553.03	$(3)^-$	3131.43	$2,3,(4^+,1^-)$
1422.3 5	1.09	2226.12	$3,2^-,(2^+)$	803.67	2^+
1426.6 5	0.002	4766.62	$(2,3)^-$	3339.54	$2^+,(1^-)$
1428.6 5	0.042	3654.7	$(2,3)^-$	2226.12	$3,2^-,(2^+)$
1442.4 5	0.020	3335.5	$1,2^+$	1893.01	0^+
1444.7 5	0.010	4417.20	$(2,3)^-$	2972.00	$2^+,(1^-)$
1445.6 5	0.019	4401.08	3^-	2955.73	$3^-,4^+$
1446.8 5	0.109	3339.54	$2^+,(1^-)$	1893.01	0^+
1447.1 5	0.003	4549.00	$(2,3)^-$	3101.91	$2,(1^-,3^-)$
1449.0 5	0.008	4421.65	3^-	2972.00	$2^+,(1^-)$
1449.3 5	0.032	4429.1	$(3,2)^-$	2979.83	2,3

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1449.6 5	0.627	2844.95	2,3,(4+,1+)	1395.01	3−
1449.9 5	0.404	2253.87	0+ to 2,(3−)	803.67	2+
1452.1 5	0.033	3789.1	(0+ to 3)	2337.11	2+,(1−)
1457.0 5	0.072	4401.08	3−	2943.94	4,(3,5−)
1459.3 5	0.022	4439.18	(2,3)−	2979.83	2,3
1461.0 5	0.012	4574.29	3−	3112.62	3,(2+,4+)
1463.5 5	0.036	4443.12	(2,3)−	2979.83	2,3
1466.1 5	0.025	4421.65	3−	2955.73	3−,4+
1470.6 5	0.006	4443.12	(2,3)−	2972.00	2+,(1−)
1470.9 5	0.035	4401.08	3−	2930.35	4,(3−)
1471.4 5	0.017	4427.16	(3,2)−	2955.73	3−,4+
1473.0 5	0.004	4574.29	3−	3101.91	2,(1−,3−)
1473.4 5	0.010	4511.72	1−&(2,3)−	3038.70	2+,(1−)
1476.6 5	0.015	4482.67	3−	3005.97	4+,3−
1476.6 5	0.007	4660.29	(2,3)−	3183.35	2−,3−
1479.4 5	0.028	4549.00	(2,3)−	3069.39	1,(2+)
1479.9 5	0.038	4220.68	3−	2740.89	3−,(2+)
1480.6 5	0.044	4486.67	(3)−	3005.97	4+,3−
1482.6 5	0.003	4552.17	(2,3)−	3069.39	1,(2+)
1483.2 5	0.005	4665.96	(2,3)−	3183.35	2−,3−
1485.8 5	0.081	4491.80	3−	3005.97	4+,3−
1486.8 5	0.106	2943.94	4,(3,5−)	1456.99	4+
1487.9 5	0.010	4443.12	(2,3)−	2955.73	3−,4+
1489.8 5	0.042	2946.8	(3,4,5)	1456.99	4+
1491.1 5	0.104	4421.65	3−	2930.35	4,(3−)
1499.0 5	0.148	2955.73	3−,4+	1456.99	4+
1502.8 5	0.020	4482.67	3−	2979.83	2,3
1506.2 5	0.024	4486.67	(3)−	2979.83	2,3
1507.1 5	0.040	3733.22	3−	2226.12	3,2−,(2+)
1511.3 5	0.025	4491.80	3−	2979.83	2,3
1513.2 5	0.023	4519.6	(3,2)−	3005.97	4+,3−
1513.5 5	0.020	4552.17	(2,3)−	3038.70	2+,(1−)
1514.2 5	0.992	2317.72	2+,(1)	803.67	2+
1515.9 5	0.006	4487.9	1−	2972.00	2+,(1−)
1516.0 5	0.093	3567.55	3−	2051.35	4−
1517.3 5	0.033	3500.69	(2,3)	1983.21	2+
1520.8 5	0.021	3857.89	1−&3−	2337.11	2+,(1−)
1523.9 5	0.043	4220.68	3−	2697.11	3,4,(2−,5−)
1526.5 5	0.026	3857.89	1−&3−	2330.92	4+,3+,(2+,3−)
1526.8 5	0.010	4482.67	3−	2955.73	3−,4+
1527.1 5	0.484	2330.92	4+,3+,(2+,3−)	803.67	2+
1533.2 5	0.250	2337.11	2+,(1−)	803.67	2+
1534.8 5	0.041	3586.2	(3,4,5)	2051.35	4−
1535.9 5	0.080	3857.89	1−&3−	2321.72	2+
1536.0 5	0.058	4491.80	3−	2955.73	3−,4+
1537.3 5	0.057	3588.9	(1−)&(3−)	2051.35	4−
1540.1 5	0.016	3326.5	(0+ to 3)	1786.40	2+
1540.2 5	0.037	4495.55	3−	2955.73	3−,4+
1540.8 5	0.022	3766.6	(2,3,4)	2226.12	3,2−,(2+)
1542.8 5	0.266	2346.65	2+,(1−)	803.67	2+
1543.9 5	0.011	4344.64	1−&(2,3)−	2800.63	2+,(1−)
1545.1 5	0.007	4401.08	3−	2855.84	3,(2+,4+)
1548.7 5	0.028	3335.5	1,2+	1786.40	2+
1548.9 5	0.611	2943.94	4,(3,5−)	1395.01	3−
1549.1 5	0.094	3600.6	(3,4)	2051.35	4−
1550.2 5	0.010	4521.71	3−	2972.00	2+,(1−)

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1551.4 5	0.149	4495.55	3^-	2943.94	4,(3,5$^-$)
1551.5 5	0.053	3873.64	(2,3)$^-$	2321.72	2^+
1556.2 5	0.035	4401.08	3^-	2844.95	2,3,(4$^+$,1$^+$)
1558.7 5	0.019	3895.7	1^-	2337.11	2^+,(1$^-$)
1560.9 5	0.104	2955.73	3^-,4^+	1395.01	3^-
1561.4 5	0.055	4491.80	3^-	2930.35	4,(3$^-$)
1561.8 5	0.027	3613.2	(3,4,5)	2051.35	4^-
1562.8 5	0.054	3789.1	(0$^+$ to 3)	2226.12	3,2$^-$,(2$^+$)
1565.1 5	0.080	4495.55	3^-	2930.35	4,(3$^-$)
1573.0 5	0.071	4102.35	1$^-$&(2,3)$^-$	2529.21	2^+
1576.4 5	0.083	4421.65	3^-	2844.95	2,3,(4$^+$,1$^+$)
1577.1 5	0.006	4549.00	(2,3)$^-$	2972.00	2^+,(1$^-$)
1577.3 5	0.019	3924.23	3^-	2346.65	2^+,(1$^-$)
1583.7 5	0.018	3567.55	3^-	1983.21	2^+
1584.6 5	0.031	4045.87	(2,3)$^-$	2460.97	2^+,(1$^-$)
1585.0 5	0.017	4698.14	1$^-$&3$^-$	3112.62	3,(2$^+$,4$^+$)
1587.4 5	0.011	3638.7	(3,4)	2051.35	4^-
1589.9 5	0.002	4445.98	3^-	2855.84	3,(2$^+$,4$^+$)
1591.2 5	0.035	4597.27	(2,3)$^-$	3005.97	4$^+$,3$^-$
1591.4 5	0.025	4304.99	1^-	2713.59	2^+,(1$^-$)
1593.4 5	0.008	4706.18	(2,3)$^-$	3112.62	3,(2$^+$,4$^+$)
1594.2 5	0.027	4439.18	(2,3)$^-$	2844.95	2,3,(4$^+$,1$^+$)
1594.7 5	0.024	4574.29	3^-	2979.83	2,3
1595.7 5	0.005	4665.96	(2,3)$^-$	3069.39	1,(2$^+$)
1600.8 5	0.008	4401.08	3^-	2800.63	2^+,(1$^-$)
1601.0 5	0.085	4445.98	3^-	2844.95	2,3,(4$^+$,1$^+$)
1602.4 5	0.159	3924.23	3^-	2321.72	2^+
1603.5 5	0.003	4706.18	(2,3)$^-$	3101.91	2,(1$^-$,3$^-$)
1608.4 5	0.072	3660.3	(3,4)	2051.35	4^-
1608.9 5	1.49	2412.00	4$^+$,(2$^+$,3)	803.67	2^+
1610.7 5	0.553	3005.97	4$^+$,3$^-$	1395.01	3^-
1618.7 5	0.017	4574.29	3^-	2955.73	3^-,4^+
1621.4 5	0.010	4421.65	3^-	2800.63	2^+,(1$^-$)
1626.1 5	0.005	4757.8	(2,3)$^-$	3131.43	2,3,(4$^+$,1$^-$)
1626.8 5	0.009	4665.96	(2,3)$^-$	3038.70	2^+,(1$^-$)
1629.3 5	0.005	4698.14	1$^-$&3$^-$	3069.39	1,(2$^+$)
1631.1 5	0.136	4344.64	1$^-$&(2,3)$^-$	2713.59	2^+,(1$^-$)
1631.2 5	0.472	2434.89	1$^-$,2	803.67	2^+
1631.4 5	0.041	3857.89	1$^-$&3$^-$	2226.12	3,2$^-$,(2$^+$)
1636.0 5	0.004	4706.18	(2,3)$^-$	3069.39	1,(2$^+$)
1638.9 5	0.040	4100.02	1^-	2460.97	2^+,(1$^-$)
1639.5 5	0.035	3690.61	3^-	2051.35	4^-
1639.8 5	0.011	4495.55	3^-	2855.84	3,(2$^+$,4$^+$)
1641.4 5	0.004	4743.79	1^-	3101.91	2,(1$^-$,3$^-$)
1643.0 5	0.021	4487.9	1^-	2844.95	2,3,(4$^+$,1$^+$)
1643.2 5	0.058	4356.75	(2,3)$^-$	2713.59	2^+,(1$^-$)
1643.7 5	0.329	3038.70	2^+,(1$^-$)	1395.01	3^-
1644.1 5	0.046	3870.0	3^-	2226.12	3,2$^-$,(2$^+$)
1644.1 5	0.082	4574.29	3^-	2930.35	4,(3$^-$)
1651.0 5	0.021	3108.0	(3,4,5)	1456.99	4^+
1651.2 5	0.008	4835.13	(2,3)$^-$	3183.35	2$^-$,3$^-$
1652.0 5	0.004	4754.01	3^-	3101.91	2,(1$^-$,3$^-$)
1652.6 5	0.039	3704.29	3^-	2051.35	4^-
1653.3 5	0.019	4000.4	(3,2)$^-$	2346.65	2^+,(1$^-$)
1655.6 5	0.173	3112.62	3,(2$^+$,4$^+$)	1456.99	4^+
1657.0 5	1.10	2460.97	2^+,(1$^-$)	803.67	2^+

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1657.0 5	0.002	4759.4	3^-	3101.91	2,(1^-,3^-)
1657.1 5	0.020	4769.7	(3,2)$^-$	3112.62	3,(2^+,4^+)
1673.1 5	0.265	4344.64	1^-&(2,3)$^-$	2671.66	0^+
1674.0 5	0.004	4743.79	1^-	3069.39	1,(2^+)
1676.4 5	0.035	4521.71	3^-	2844.95	2,3,(4^+,1^+)
1676.5 5	0.020	4389.7	(2,3)$^-$	2713.59	2^+,(1^-)
1676.6 5	0.017	4417.20	(2,3)$^-$	2740.89	3^-,(2^+)
1676.9 5	0.030	3133.9	(3,4,5)	1456.99	4^+
1681.2 5	0.015	4421.65	3^-	2740.89	3^-,(2^+)
1689.8 5	0.038	4361.62	1^-	2671.66	0^+
1689.9 5	0.029	3916.04	3^-	2226.12	3,2^-,(2^+)
1694.5 5	0.008	4495.55	3^-	2800.63	2^+,(1^-)
1695.0 5	0.026	3152.0	3,(2^+,4^+)	1456.99	4^+
1697.8 5	0.146	3924.23	3^-	2226.12	3,2^-,(2^+)
1699.2 5	0.059	3156.48	3,(4^+)	1456.99	4^+
1703.7 5	0.045	4401.08	3^-	2697.11	3,4,(2^-,5^-)
1706.0 5	0.040	2509.7		803.67	2^+
1706.0 5	0.014	4052.7	(2,3)$^-$	2346.65	2^+,(1^-)
1706.0 5	0.002	4808.18	3^-	3101.91	2,(1^-,3^-)
1706.2 5	0.018	4377.51	1^-	2671.66	0^+
1707.8 5	0.012	4045.87	(2,3)$^-$	2337.11	2^+,(1^-)
1707.8 5	0.147	4421.65	3^-	2713.59	2^+,(1^-)
1710.3 5	0.004	4511.72	1^-&(2,3)$^-$	2800.63	2^+,(1^-)
1714.4 5	0.092	3500.69	(2,3)	1786.40	2^+
1716.0 5	0.003	4785.2	(2,3)$^-$	3069.39	1,(2^+)
1717.4 5	0.610	2521.06	3,4^+	803.67	2^+
1717.8 5	0.024	4431.74	1^-	2713.59	2^+,(1^-)
1720.9 5	0.138	3704.29	3^-	1983.21	2^+
1725.0 5	0.016	4421.65	3^-	2697.11	3,4,(2^-,5^-)
1725.4 5	0.257	2529.21	2^+	803.67	2^+
1738.6 5	0.009	4695.00	3^-	2955.73	3^-,4^+
1741.6 5	0.033	4482.67	3^-	2740.89	3^-,(2^+)
1742.2 5	0.069	3968.5	3^-	2226.12	3,2^-,(2^+)
1742.3 5	0.010	4439.18	(2,3)$^-$	2697.11	3,4,(2^-,5^-)
1742.4 5	0.106	3199.06	(3,4)	1456.99	4^+
1743.0 5	0.009	4698.14	1^-&3^-	2955.73	3^-,4^+
1744.2 5	0.023	3530.4	(1,2,3)	1786.40	2^+
1748.6 5	0.006	4549.00	(2,3)$^-$	2800.63	2^+,(1^-)
1749.1 5	0.013	4445.98	3^-	2697.11	3,4,(2^-,5^-)
1749.5 5	0.047	3535.80	(2,3)$^-$	1786.40	2^+
1750.2 5	0.126	3733.22	3^-	1983.21	2^+
1753.8 5	0.039	4100.02	1^-	2346.65	2^+,(1^-)
1754.3 5	0.025	4495.55	3^-	2740.89	3^-,(2^+)
1755.2 5	0.112	3150.46	4,(3^-,5^-)	1395.01	3^-
1755.9 5	0.012	3542.3	(0^+ to 3)	1786.40	2^+
1760.0 5	0.044	4431.74	1^-	2671.66	0^+
1761.5 5	0.203	3156.48	3,(4^+)	1395.01	3^-
1762.7 5	0.052	4706.18	(2,3)$^-$	2943.94	4,(3,5^-)
1765.2 5	0.015	4102.35	1^-&(2,3)$^-$	2337.11	2^+,(1^-)
1766.4 5	0.126	3749.8	(1,2,3)	1983.21	2^+
1768.5 5	0.052	4482.67	3^-	2713.59	2^+,(1^-)
1772.4 5	0.028	4118.9	(3,2)$^-$	2346.65	2^+,(1^-)
1773.0 5	0.078	4486.67	(3)$^-$	2713.59	2^+,(1^-)
1774.1 5	0.010	4574.29	3^-	2800.63	2^+,(1^-)
1776.5 5	0.011	4706.18	(2,3)$^-$	2930.35	4,(3^-)
1777.5 5	0.087	3172.8	(2,3)	1395.01	3^-

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1778.0 5	0.013	4449.65	1^-	2671.66	0^+
1778.1 5	0.063	4491.80	3^-	2713.59	2^+,(1^-)
1781.6 5	0.159	4495.55	3^-	2713.59	2^+,(1^-)
1781.8 5	0.175	3177.27	4^+,(3^-)	1395.01	3^-
1782.5 5	0.014	4401.08	3^-	2618.50	3,4^+,(2^+)
1785.0 5	0.047	4102.35	1^-&(2,3)$^-$	2317.72	2^+,(1)
1786.2 5	3.09	1786.40	2^+	0.0	0^+
1796.6 5	0.017	4597.27	$(2,3)^-$	2800.63	2^+,(1^-)
1798.4 5	0.023	4129.2	$(2,3)^-$	2330.92	4^+,3^+,$(2^+$,$3^-)$
1798.4 5	0.118	4495.55	3^-	2697.11	3,4,$(2^-$,$5^-)$
1802.8 5	0.010	4544.49	1^-&3^-	2740.89	3^-,(2^+)
1803.2 5	0.109	4421.65	3^-	2618.50	3,4^+,(2^+)
1807.4 5	0.013	3857.89	1^-&3^-	2051.35	4^-
1808.4 5	0.051	4220.68	3^-	2412.00	4^+,$(2^+$,3)
1808.7 5	0.016	4480.6	1^-	2671.66	0^+
1809.3 5	0.043	4549.90	$(2,3)^-$	2740.89	3^-,(2^+)
1810.4 5	0.038	4523.56	$(2,3)^-$	2713.59	2^+,(1^-)
1814.3 5	0.013	4511.72	1^-&$(2,3)^-$	2697.11	3,4,$(2^-$,$5^-)$
1814.8 5	0.599	2618.50	3,4^+,(2^+)	803.67	2^+
1815.4 5	0.154	4344.64	1^-&$(2,3)^-$	2529.21	2^+
1820.4 5	0.013	4439.18	$(2,3)^-$	2618.50	3,4^+,(2^+)
1827.2 5	0.021	4356.75	$(2,3)^-$	2529.21	2^+
1827.8 5	0.038	4445.98	3^-	2618.50	3,4^+,(2^+)
1835.8 5	0.039	4356.75	$(2,3)^-$	2521.06	3,4^+
1836.2 5	0.052	4549.90	$(2,3)^-$	2713.59	2^+,(1^-)
1841.2 5	0.017	4162.8	3^-	2321.72	2^+
1844.1 5	0.044	4304.99	1^-	2460.97	2^+,(1^-)
1846.0 5	0.062	4100.02	1^-	2253.87	0^+ to 2,(3^-)
1846.8 5	0.051	4518.52	1^-	2671.66	0^+
1848.7 5	0.028	4102.35	1^-&$(2,3)^-$	2253.87	0^+ to 2,(3^-)
1850.0 5	0.006	4706.18	$(2,3)^-$	2855.84	3,$(2^+$,$4^+)$
1856.2 5	0.016	4553.03	$(3)^-$	2697.11	3,4,$(2^-$,$5^-)$
1859.4 5	0.011	4660.29	$(2,3)^-$	2800.63	2^+,(1^-)
1860.6 5	0.140	4574.29	3^-	2713.59	2^+,(1^-)
1862.9 5	0.170	3257.9	(2,3,4)	1395.01	3^-
1864.7 5	0.032	3916.04	3^-	2051.35	4^-
1868.0 5	0.582	2671.66	0^+	803.67	2^+
1868.2 5	0.008	4486.67	$(3)^-$	2618.50	3,4^+,(2^+)
1870.3 5	0.012	4304.99	1^-	2434.89	1^-,2
1872.7 5	0.074	3924.23	3^-	2051.35	4^-
1873.4 5	0.053	4491.80	3^-	2618.50	3,4^+,(2^+)
1874.5 5	0.027	4220.68	3^-	2346.65	2^+,(1^-)
1874.6 5	0.117	3857.89	1^-&3^-	1983.21	2^+
1877.1 5	0.064	4495.55	3^-	2618.50	3,4^+,(2^+)
1877.1 5	0.098	4574.29	3^-	2697.11	3,4,$(2^-$,$5^-)$
1877.6 5	0.020	4208.5	$(2,3)^-$	2330.92	4^+,3^+,$(2^+$,$3^-)$
1879.6 5	0.009	4835.13	$(2,3)^-$	2955.73	3^-,4^+
1880.1 5	0.061	4401.08	3^-	2521.06	3,4^+
1883.4 5	0.105	4344.64	1^-&$(2,3)^-$	2460.97	2^+,(1^-)
1883.8 5	0.057	4597.27	$(2,3)^-$	2713.59	2^+,(1^-)
1887.9 5	0.098	4417.20	$(2,3)^-$	2529.21	2^+
1890.0 5	0.035	4220.68	3^-	2330.92	4^+,3^+,$(2^+$,$3^-)$
1891.9 5	0.114	3348.9	(3,4,5)	1456.99	4^+
1892.3 5	0.165	4421.65	3^-	2529.21	2^+
1895.8 5	0.061	4356.75	$(2,3)^-$	2460.97	2^+,(1^-)
1897.4 5	0.080	3292.38	(3)	1395.01	3^-

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
1899.0 *5*	0.052	4220.68	3^-	2321.72	2^+
1899.6 *5*	0.186	3792.6	$2^+,1^-$	1893.01	0^+
1900.4 *5*	0.169	4421.65	3^-	2521.06	$3,4^+$
1902.7 *5*	0.036	4431.74	1^-	2529.21	2^+
1904.6 *5*	0.009	4602.0	3^-	2697.11	$3,4,(2^-,5^-)$
1907.0 *5*	0.017	4224.4	$(3,2)^-$	2317.72	$2^+,(1)$
1909.6 *5*	0.311	3304.9	(3,4)	1395.01	3^-
1909.9 *5*	0.084	4344.64	$1^-\&(2,3)^-$	2434.89	$1^-,2$
1910.2 *5*	0.140	2713.59	$2^+,(1^-)$	803.67	2^+
1916.5 *5*	0.024	4377.51	1^-	2460.97	$2^+,(1^-)$
1916.7 *5*	0.047	4170.71	$3^-\&1^-$	2253.87	0^+ to $2,(3^-)$
1916.7 *5*	0.047	4445.98	3^-	2529.21	2^+
1921.6 *5*	0.021	4443.12	$(2,3)^-$	2521.06	$3,4^+$
1921.9 *5*	0.272	3378.87	3^-	1456.99	4^+
1924.6 *5*	0.084	4445.98	3^-	2521.06	$3,4^+$
1925.9 *5*	0.026	4544.49	$1^-\&3^-$	2618.50	$3,4^+,(2^+)$
1926.6 *5*	0.084	3383.2	(3)	1456.99	4^+
1927.0 *5*	0.027	4361.62	1^-	2434.89	$1^-,2$
1927.0 *5*	0.006	4640.6	$(2,3)^-$	2713.59	$2^+,(1^-)$
1928.4 *5*	0.017	4389.7	$(2,3)^-$	2460.97	$2^+,(1^-)$
1932.3 *5*	0.003	4733.50	$(2,3)^-$	2800.63	$2^+,(1^-)$
1932.8 *5*	0.045	3916.04	3^-	1983.21	2^+
1936.1 *5*	0.016	4649.1	$(2,3)^-$	2713.59	$2^+,(1^-)$
1937.6 *5*	0.162	2740.89	$3^-,(2^+)$	803.67	2^+
1938.0 *5*	0.058	3395.0	(3,4,5)	1456.99	4^+
1940.0 *5*	0.058	4401.08	3^-	2460.97	$2^+,(1^-)$
1940.8 *5*	0.008	3834.3	1^-	1893.01	0^+
1948.3 *5*	0.041	3405.2	(3,4)	1456.99	4^+
1954.5 *5*	0.021	4695.00	3^-	2740.89	$3^-,(2^+)$
1955.9 *5*	0.101	4574.29	3^-	2618.50	$3,4^+,(2^+)$
1956.0 *5*	0.029	3413.0	(3,4,5)	1456.99	4^+
1956.7 *5*	0.007	4417.20	$(2,3)^-$	2460.97	$2^+,(1^-)$
1956.8 *5*	0.017	4698.14	$1^-\&3^-$	2740.89	$3^-,(2^+)$
1961.1 *5*	0.020	4421.65	3^-	2460.97	$2^+,(1^-)$
1961.8 *5*	0.123	3356.4	(3)	1395.01	3^-
1962.4 *5*	0.067	4491.80	3^-	2529.21	2^+
1964.8 *5*	0.013	4311.5	$(2,3)^-$	2346.65	$2^+,(1^-)$
1965.0 *5*	0.078	3857.89	$1^-\&3^-$	1893.01	0^+
1965.4 *5*	0.235	4486.67	$(3)^-$	2521.06	$3,4^+$
1965.7 *5*	0.017	4706.18	$(2,3)^-$	2740.89	$3^-,(2^+)$
1966.2 *5*	0.002	4766.62	$(2,3)^-$	2800.63	$2^+,(1^-)$
1966.3 *5*	0.047	4427.16	$(3,2)^-$	2460.97	$2^+,(1^-)$
1971.2 *5*	0.096	4491.80	3^-	2521.06	$3,4^+$
1972.0 *5*	0.021	4293.81	3^-	2321.72	2^+
1974.5 *5*	0.227	4495.55	3^-	2521.06	$3,4^+$
1982.1 *5*	0.009	4401.08	3^-	2419.03	$3^-,4,5^-$
1983.2 *5*	2.11	1983.21	2^+	0.0	0^+
1983.2 *5*	0.026	4511.72	$1^-\&(2,3)^-$	2529.21	2^+
1983.3 *5*	0.072	3378.87	3^-	1395.01	3^-
1983.6 *5*	0.028	4304.99	1^-	2321.72	2^+
1988.0 *5*	0.040	3383.2	(3)	1395.01	3^-
1989.0 *5*	0.293	4401.08	3^-	2412.00	$4^+,(2^+,3)$
1997.1 *5*	0.013	4695.00	3^-	2697.11	$3,4,(2^-,5^-)$
1997.4 *5*	0.169	2800.63	$2^+,(1^-)$	803.67	2^+
1997.5 *5*	0.006	3981.0	3^-	1983.21	2^+
1998.0 *5*	0.077	4344.64	$1^-\&(2,3)^-$	2346.65	$2^+,(1^-)$

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
2001.0 5	0.035	4521.71	3⁻	2521.06	3,4⁺
2001.3 5	0.024	3458.78	3⁻,4⁺	1456.99	4⁺
2003.7 5	0.010	4340.3	(2,3)⁻	2337.11	2⁺,(1⁻)
2006.3 5	0.138	3792.6	2⁺,1⁻	1786.40	2⁺
2007.6 5	0.176	4344.64	1⁻&(2,3)⁻	2337.11	2⁺,(1⁻)
2009.4 5	0.035	4706.18	(2,3)⁻	2697.11	3,4,(2⁻,5⁻)
2009.7 5	0.022	3405.2	(3,4)	1395.01	3⁻
2009.8 5	0.062	4421.65	3⁻	2412.00	4⁺,(2⁺,3)
2010.0 5	0.028	3467.0	(3,4,5)	1456.99	4⁺
2010.0 5	0.059	4356.75	(2,3)⁻	2346.65	2⁺,(1⁻)
2015.5 5	0.023	4361.62	1⁻	2346.65	2⁺,(1⁻)
2018.0 5	0.002	4340.3	(2,3)⁻	2321.72	2⁺
2019.3 5	0.014	3414.4	(3,4)	1395.01	3⁻
2021.2 5	0.021	4482.67	3⁻	2460.97	2⁺,(1⁻)
2022.7 5	0.113	4344.64	1⁻&(2,3)⁻	2321.72	2⁺
2025.0 5	0.029	4486.67	(3)⁻	2460.97	2⁺,(1⁻)
2026.5 5	0.017	4344.64	1⁻&(2,3)⁻	2317.72	2⁺,(1)
2027.2 5	0.011	4445.98	3⁻	2419.03	3⁻,4,5⁻
2030.6 5	0.077	4491.80	3⁻	2460.97	2⁺,(1⁻)
2030.7 5	0.015	4743.79	1⁻	2713.59	2⁺,(1⁻)
2033.4 5	0.347	2836.5		803.67	2⁺
2033.9 5	0.247	4445.98	3⁻	2412.00	4⁺,(2⁺,3)
2034.7 5	0.026	4495.55	3⁻	2460.97	2⁺,(1⁻)
2035.0 5	0.003	4835.13	(2,3)⁻	2800.63	2⁺,(1⁻)
2035.2 5	0.047	4356.75	(2,3)⁻	2321.72	2⁺
2041.3 5	1.09	2844.95	2,3,(4⁺,1⁺)	803.67	2⁺
2044.8 5	0.034	4574.29	3⁻	2529.21	2⁺
2045.8 5	0.025	4480.6	1⁻	2434.89	1⁻,2
2051.7 5	0.158	2855.84	3,(2⁺,4⁺)	803.67	2⁺
2051.9 5	0.035	4373.5	(3)⁻	2321.72	2⁺
2053.2 5	0.027	4574.29	3⁻	2521.06	3,4⁺
2064.0 5	0.030	3458.78	3⁻,4⁺	1395.01	3⁻
2070.3 5	0.050	3465.3	(2,3,4)	1395.01	3⁻
2070.3 5	0.194	4401.08	3⁻	2330.92	4⁺,3⁺,(2⁺,3⁻)
2070.9 5	0.190	3528.6	3,(4⁻)	1456.99	4⁺
2071.4 5	0.106	3857.89	1⁻&3⁻	1786.40	2⁺
2071.4 5	0.052	4482.67	3⁻	2412.00	4⁺,(2⁺,3)
2071.6 5	0.019	4389.7	(2,3)⁻	2317.72	2⁺,(1)
2076.9 5	0.029	4597.27	(2,3)⁻	2521.06	3,4⁺
2078.8 5	0.033	3473.8	(2,3,4)	1395.01	3⁻
2079.4 5	0.388	4491.80	3⁻	2412.00	4⁺,(2⁺,3)
2079.9 5	0.045	4417.20	(2,3)⁻	2337.11	2⁺,(1⁻)
2083.5 5	0.346	4495.55	3⁻	2412.00	4⁺,(2⁺,3)
2087.7 5	0.049	3873.64	(2,3)⁻	1786.40	2⁺
2090.0 5	0.061	4344.64	1⁻&(2,3)⁻	2253.87	0⁺ to 2,(3⁻)
2090.3 5	0.020	4427.16	(3,2)⁻	2337.11	2⁺,(1⁻)
2090.6 5	0.187	4421.65	3⁻	2330.92	4⁺,3⁺,(2⁺,3⁻)
2091.4 5	0.022	4552.17	(2,3)⁻	2460.97	2⁺,(1⁻)
2095.2 5	0.025	4431.74	1⁻	2337.11	2⁺,(1⁻)
2099.3 5	0.058	4417.20	(2,3)⁻	2317.72	2⁺,(1)
2099.8 5	0.103	4421.65	3⁻	2321.72	2⁺
2103.5 5	0.018	4086.92	1⁻	1983.21	2⁺
2105.2 5	0.128	3500.69	(2,3)	1395.01	3⁻
2106.1 5	0.057	4443.12	(2,3)⁻	2337.11	2⁺,(1⁻)
2107.7 5	0.033	4361.62	1⁻	2253.87	0⁺ to 2,(3⁻)
2108.4 5	0.025	4439.18	(2,3)⁻	2330.92	4⁺,3⁺,(2⁺,3⁻)

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
2110.6 5	0.144	3567.55	3^-	1456.99	4^+
2113.8 5	0.011	4431.74	1^-	2317.72	2^+,(1)
2116.4 5	0.013	4009.4	1^-	1893.01	0^+
2117.0 5	0.020	4100.02	1^-	1983.21	2^+
2117.5 5	0.025	4439.18	$(2,3)^-$	2321.72	2^+
2121.9 5	0.053	4443.12	$(2,3)^-$	2321.72	2^+
2129.7 5	0.146	3916.04	3^-	1786.40	2^+
2130.4 5	0.048	4356.75	$(2,3)^-$	2226.12	$3,2^-,(2^+)$
2132.0 5	0.040	4449.65	1^-	2317.72	2^+,(1)
2132.6 5	0.031	4469.7	$(2,3)^-$	2337.11	$2^+,(1^-)$
2132.7 5	0.030	4544.49	$1^-\&3^-$	2412.00	$4^+,(2^+,3)$
2134.2 5	0.025	3528.6	$3,(4^-)$	1395.01	3^-
2137.0 5	0.029	4665.96	$(2,3)^-$	2529.21	2^+
2138.3 5	0.105	3924.23	3^-	1786.40	2^+
2139.1 5	0.039	4460.7	$(3)^-$	2321.72	2^+
2140.0 5	0.029	4486.67	$(3)^-$	2346.65	$2^+,(1^-)$
2143.4 5	0.050	3929.8	$(2,3)^-$	1786.40	2^+
2148.8 5	0.117	4495.55	3^-	2346.65	$2^+,(1^-)$
2149.8 5	0.087	4486.67	$(3)^-$	2337.11	$2^+,(1^-)$
2152.0 5	0.033	4469.7	$(2,3)^-$	2317.72	2^+,(1)
2152.1 5	0.678	2955.73	$3^-,4^+$	803.67	2^+
2152.1 5	0.028	4482.67	3^-	2330.92	$4^+,3^+,(2^+,3^-)$
2154.4 5	0.037	4491.80	3^-	2337.11	$2^+,(1^-)$
2155.2 5	0.099	3550.2	(2,3,4)	1395.01	3^-
2158.5 5	0.029	4495.55	3^-	2337.11	$2^+,(1^-)$
2161.0 5	0.167	4491.80	3^-	2330.92	$4^+,3^+,(2^+,3^-)$
2161.2 5	0.058	4482.67	3^-	2321.72	2^+
2164.5 5	0.025	4486.67	$(3)^-$	2321.72	2^+
2164.6 5	0.123	4495.55	3^-	2330.92	$4^+,3^+,(2^+,3^-)$
2168.5 5	0.402	2972.00	$2^+,(1^-)$	803.67	2^+
2168.5 5	0.069	4486.67	$(3)^-$	2317.72	2^+,(1)
2170.0 5	0.050	3565.0	(2,3,4)	1395.01	3^-
2170.6 5	0.066	4491.80	3^-	2321.72	2^+
2170.9 5	0.054	4605.89	1^-	2434.89	$1^-,2$
2171.1 5	0.085	4154.1	$(2,3)^-$	1983.21	2^+
2172.2 5	0.012	4518.52	1^-	2346.65	$2^+,(1^-)$
2172.6 5	0.130	3567.55	3^-	1395.01	3^-
2175.9 5	0.701	2979.83	2,3	803.67	2^+
2175.9 5	0.011	4872.8	$(2,3)^-$	2697.11	$3,4,(2^-,5^-)$
2186.3 5	0.035	4523.56	$(2,3)^-$	2337.11	$2^+,(1^-)$
2189.4 5	0.031	4511.72	$1^-\&(2,3)^-$	2321.72	2^+
2190.6 5	0.041	4417.20	$(2,3)^-$	2226.12	$3,2^-,(2^+)$
2190.8 5	0.040	4521.71	3^-	2330.92	$4^+,3^+,(2^+,3^-)$
2193.9 5	0.014	4086.92	1^-	1893.01	0^+
2194.0 5	0.285	3588.9	$(1^-)\&(3^-)$	1395.01	3^-
2194.3 5	0.014	4511.72	$1^-\&(2,3)^-$	2317.72	2^+,(1)
2195.7 5	0.122	4421.65	3^-	2226.12	$3,2^-,(2^+)$
2196.4 5	0.024	4518.52	1^-	2321.72	2^+
2199.7 5	0.018	4660.29	$(2,3)^-$	2460.97	$2^+,(1^-)$
2201.0 5	0.110	4427.16	$(3,2)^-$	2226.12	$3,2^-,(2^+)$
2205.6 5	0.027	4552.17	$(2,3)^-$	2346.65	$2^+,(1^-)$
2206.3 5	0.019	4100.02	1^-	1893.01	0^+
2206.8 5	0.172	3010.3	$0^+,1,2,(3^-)$	803.67	2^+
2209.3 5	0.111	4102.35	$1^-\&(2,3)^-$	1893.01	0^+
2213.7 5	0.071	4439.18	$(2,3)^-$	2226.12	$3,2^-,(2^+)$
2214.3 5	0.073	4000.4	$(3,2)^-$	1786.40	2^+

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
2214.6 5	0.029	4552.17	(2,3)$^-$	2337.11	2$^+$,(1$^-$)
2219.7 5	0.023	4445.98	3$^-$	2226.12	3,2$^-$,(2$^+$)
2222.2 5	0.032	4553.03	(3)$^-$	2330.92	4$^+$,3$^+$,(2$^+$,3$^-$)
2223.0 5	0.007	4544.49	1$^-$&3$^-$	2321.72	2$^+$
2227.6 5	0.078	4574.29	3$^-$	2346.65	2$^+$,(1$^-$)
2229.2 5	0.010	4546.6	(3,2)$^-$	2317.72	2$^+$,(1)
2230.6 5	0.039	4553.03	(3)$^-$	2321.72	2$^+$
2233.4 5	0.045	3690.61	3$^-$	1456.99	4$^+$
2234.7 5	0.211	3038.70	2$^+$,(1$^-$)	803.67	2$^+$
2234.7 5	0.048	4460.7	(3)$^-$	2226.12	3,2$^-$,(2$^+$)
2234.7 5	0.021	4552.17	(2,3)$^-$	2317.72	2$^+$,(1)
2243.4 5	0.167	4574.29	3$^-$	2330.92	4$^+$,3$^+$,(2$^+$,3$^-$)
2243.6 5	0.035	3638.7	(3,4)	1395.01	3$^-$
2247.2 5	0.081	3704.29	3$^-$	1456.99	4$^+$
2252.8 5	0.075	4574.29	3$^-$	2321.72	2$^+$
2261.0 5	0.031	4486.67	(3)$^-$	2226.12	3,2$^-$,(2$^+$)
2265.6 5	0.078	4491.80	3$^-$	2226.12	3,2$^-$,(2$^+$)
2265.8 5	0.151	3660.3	(3,4)	1395.01	3$^-$
2268.8 5	0.087	4605.89	1$^-$	2337.11	2$^+$,(1$^-$)
2269.3 5	0.277	4495.55	3$^-$	2226.12	3,2$^-$,(2$^+$)
2270.3 5	0.021	4253.5	(3,2)$^-$	1983.21	2$^+$
2275.5 5	0.038	4597.27	(2,3)$^-$	2321.72	2$^+$
2276.3 5	0.114	3733.22	3$^-$	1456.99	4$^+$
2278.2 5	0.019	4170.71	3$^-$&1$^-$	1893.01	0$^+$
2283.3 5	0.022	4695.00	3$^-$	2412.00	4$^+$,(2$^+$,3)
2284.0 5	0.038	4605.89	1$^-$	2321.72	2$^+$
2285.7 5	0.038	4511.72	1$^-$&(2,3)$^-$	2226.12	3,2$^-$,(2$^+$)
2286.6 5	0.034	3743.6	(3,4,5)	1456.99	4$^+$
2288.0 5	0.041	4605.89	1$^-$	2317.72	2$^+$,(1)
2295.6 5	0.10	3690.61	3$^-$	1395.01	3$^-$
2295.6 5	0.073	4521.71	3$^-$	2226.12	3,2$^-$,(2$^+$)
2296.6 5	0.008	4482.67	3$^-$	2186.86	5$^-$
2298.2 5	0.372	3101.91	2,(1$^-$,3$^-$)	803.67	2$^+$
2298.6 5	0.008	4995.5	(2,3)$^-$	2697.11	3,4,(2$^-$,5$^-$)
2305.3 5	0.020	4356.75	(2,3)$^-$	2051.35	4$^-$
2305.5 5	0.005	4491.80	3$^-$	2186.86	5$^-$
2308.7 5	0.110	3112.62	3,(2$^+$,4$^+$)	803.67	2$^+$
2309.2 5	0.848	3704.29	3$^-$	1395.01	3$^-$
2321.5 5	0.012	4668.2	(2,3)$^-$	2346.65	2$^+$,(1$^-$)
2321.9 5	0.083	4373.5	(3)$^-$	2051.35	4$^-$
2323.1 5	0.013	4660.29	(2,3)$^-$	2337.11	2$^+$,(1$^-$)
2327.0 5	0.052	4553.03	(3)$^-$	2226.12	3,2$^-$,(2$^+$)
2327.9 5	0.165	3131.43	2,3,(4$^+$,1$^-$)	803.67	2$^+$
2329.1 5	0.059	3724.1	(2,3,4)	1395.01	3$^-$
2337.2 5	1.67	2337.11	2$^+$,(1$^-$)	0.0	0$^+$
2337.4 5	0.040	3141.1	0$^+$,1,2,3,(4$^+$)	803.67	2$^+$
2338.4 5	0.097	3733.22	3$^-$	1395.01	3$^-$
2346.6 5	1.71	2346.65	2$^+$,(1$^-$)	0.0	0$^+$
2347.2 5	0.071	3804.2	2$^+$	1456.99	4$^+$
2349.7 5	0.044	4576.5	(3)$^-$	2226.12	3,2$^-$,(2$^+$)
2351.4 5	0.013	4698.14	1$^-$&3$^-$	2346.65	2$^+$,(1$^-$)
2355.4 5	0.042	3812.8	3$^-$	1456.99	4$^+$
2359.7 5	0.016	4706.18	(2,3)$^-$	2346.65	2$^+$,(1$^-$)
2361.4 5	0.702	4344.64	1$^-$&(2,3)$^-$	1983.21	2$^+$
2366.8 5	0.049	4698.14	1$^-$&3$^-$	2330.92	4$^+$,3$^+$,(2$^+$,3$^-$)
2368.9 5	0.315	3172.8	(2,3)	803.67	2$^+$

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
2369.8 5	0.095	4421.65	3^-	2051.35	4^-
2370.7 5	0.057	4597.27	$(2,3)^-$	2226.12	$3,2^-,(2^+)$
2371.1 5	0.066	3766.6	(2,3,4)	1395.01	3^-
2375.4 5	0.139	4706.18	$(2,3)^-$	2330.92	$4^+,3^+,(2^+,3^-)$
2379.1 5	0.031	4361.62	1^-	1983.21	2^+
2379.3 5	0.370	3183.35	$2^-,3^-$	803.67	2^+
2384.1 5	0.046	4170.71	$3^-\&1^-$	1786.40	2^+
2387.1 5	0.022	4718.3	$(3,2)^-$	2330.92	$4^+,3^+,(2^+,3^-)$
2387.8 5	0.040	3782.8	(2,3,4)	1395.01	3^-
2391.0 5	0.070	3194.6	(0^+ to 3)	803.67	2^+
2391.6 5	0.036	4443.12	$(2,3)^-$	2051.35	4^-
2393.5 5	0.034	3197.6	(2,3)	803.67	2^+
2394.5 5	0.119	4445.98	3^-	2051.35	4^-
2397.2 5	0.170	3792.6	$2^+,1^-$	1395.01	3^-
2400.9 5	0.404	3857.89	$1^-\&3^-$	1456.99	4^+
2406.8 5	0.058	4389.7	$(2,3)^-$	1983.21	2^+
2409.3 5	0.061	3804.2	2^+	1395.01	3^-
2409.3 5	0.047	4460.7	$(3)^-$	2051.35	4^-
2412.7 5	0.071	3870.0	3^-	1456.99	4^+
2417.8 5	0.258	4401.08	3^-	1983.21	2^+
2419.5 5	0.021	4766.62	$(2,3)^-$	2346.65	$2^+,(1^-)$
2429.1 5	0.014	4766.62	$(2,3)^-$	2337.11	$2^+,(1^-)$
2435.7 5	0.036	4486.67	$(3)^-$	2051.35	4^-
2438.3 5	0.042	4421.65	3^-	1983.21	2^+
2440.2 5	0.070	4491.80	3^-	2051.35	4^-
2443.6 5	0.035	3900.8	3^-	1456.99	4^+
2443.8 5	0.127	4427.16	$(3,2)^-$	1983.21	2^+
2444.3 5	0.129	4495.55	3^-	2051.35	4^-
2445.5 5	0.010	5142.8	$(3,2)^-$	2697.11	$3,4,(2^-,5^-)$
2449.6 5	0.015	4766.62	$(2,3)^-$	2317.72	$2^+,(1)$
2451.9 5	0.351	4344.64	$1^-\&(2,3)^-$	1893.01	0^+
2459.2 5	0.169	3916.04	3^-	1456.99	4^+
2459.5 5	0.033	4511.72	$1^-\&(2,3)^-$	2051.35	4^-
2460.9 5	0.432	2460.97	$2^+,(1^-)$	0.0	0^+
2461.7 5	0.022	4808.18	3^-	2346.65	$2^+,(1^-)$
2462.2 5	0.059	4445.98	3^-	1983.21	2^+
2462.8 5	1.11	3857.89	$1^-\&3^-$	1395.01	3^-
2467.0 5	0.069	3924.23	3^-	1456.99	4^+
2474.8 5	0.043	3870.0	3^-	1395.01	3^-
2478.9 5	0.089	3873.64	$(2,3)^-$	1395.01	3^-
2479.3 5	0.024	4706.18	$(2,3)^-$	2226.12	$3,2^-,(2^+)$
2488.6 5	0.259	3292.38	(3)	803.67	2^+
2497.2 5	0.036	3892.2	$(3,2)^-$	1395.01	3^-
2499.5 5	0.091	4482.67	3^-	1983.21	2^+
2501.4 5	0.050	4553.03	$(3)^-$	2051.35	4^-
2504.5 5	0.033	4487.9	1^-	1983.21	2^+
2506.0 5	0.020	3900.8	3^-	1395.01	3^-
2507.2 5	0.111	4293.81	3^-	1786.40	2^+
2507.6 5	0.056	4733.50	$(2,3)^-$	2226.12	$3,2^-,(2^+)$
2508.7 5	0.052	3903.7	$(3,2)^-$	1395.01	3^-
2508.8 5	0.238	4491.80	3^-	1983.21	2^+
2511.4 5	0.044	3968.5	3^-	1456.99	4^+
2512.3 5	0.234	4495.55	3^-	1983.21	2^+
2514.0 5	0.026	4835.13	$(2,3)^-$	2321.72	2^+
2518.3 5	0.101	4304.99	1^-	1786.40	2^+
2520.8 5	0.155	3916.04	3^-	1395.01	3^-

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

E_γ [†]	I_γ [‡#]	E_i(level)	J_i^π	E_f	J_f^π
2522.8 5	0.103	4574.29	3^-	2051.35	4^-
2524.2 5	0.020	3981.0	3^-	1456.99	4^+
2525.5 5	0.069	4576.5	$(3)^-$	2051.35	4^-
2527.8 5	0.033	4511.72	1^-&$(2,3)^-$	1983.21	2^+
2529.0 5	0.244	3924.23	3^-	1395.01	3^-
2529.2 5	1.15	2529.21	2^+	0.0	0^+
2535.6 5	0.085	3339.54	2^+,(1^-)	803.67	2^+
2538.2 5	0.011	4431.74	1^-	1893.01	0^+
2539.8 5	0.031	4523.56	$(2,3)^-$	1983.21	2^+
2541.6 5	0.026	4872.8	$(2,3)^-$	2330.92	4^+,3^+,$(2^+,3^-)$
2554.5 5	0.008	4901.2	$(2,3)^-$	2346.65	2^+,(1^-)
2564.2 5	0.021	4901.2	$(2,3)^-$	2337.11	2^+,(1^-)
2566.2 5	0.020	4549.90	$(2,3)^-$	1983.21	2^+
2569.9 5	0.282	4356.75	$(2,3)^-$	1786.40	2^+
2573.6 5	0.149	3968.5	3^-	1395.01	3^-
2574.6 5	0.031	3378.87	3^-	803.67	2^+
2578.2 5	0.028	4803.8	$(2,3)^-$	2226.12	3,2^-,(2^+)
2579.5 5	0.060	3383.2	(3)	803.67	2^+
2582.0 5	0.040	4808.18	3^-	2226.12	3,2^-,(2^+)
2587.9 5	0.023	4480.6	1^-	1893.01	0^+
2591.1 5	0.059	4574.29	3^-	1983.21	2^+
2605.4 5	0.074	4000.4	$(3,2)^-$	1395.01	3^-
2613.7 5	0.146	4597.27	$(2,3)^-$	1983.21	2^+
2614.8 5	0.114	4401.08	3^-	1786.40	2^+
2619.0 5	0.073	3422.7	(1,2,3)	803.67	2^+
2623.0 5	0.024	4605.89	1^-	1983.21	2^+
2625.6 5	0.026	4518.52	1^-	1893.01	0^+
2631.2 5	0.055	4417.20	$(2,3)^-$	1786.40	2^+
2637.1 5	0.061	3440.7	(1,2,3)	803.67	2^+
2650.7 5	0.113	4045.87	$(2,3)^-$	1395.01	3^-
2655.8 5	0.175	3458.78	3^-,4^+	803.67	2^+
2655.8 5	0.070	4443.12	$(2,3)^-$	1786.40	2^+
2658.4 5	0.008	4995.5	$(2,3)^-$	2337.11	2^+,(1^-)
2659.7 5	0.101	4445.98	3^-	1786.40	2^+
2677.0 5	0.112	3480.6	(2,3)	803.67	2^+
2692.4 5	0.078	3496.1	(0^+ to 3)	803.67	2^+
2695.6 5	0.205	4482.67	3^-	1786.40	2^+
2701.7 5	0.004	4594.7	1^-	1893.01	0^+
2705.4 5	0.487	4491.80	3^-	1786.40	2^+
2705.5 5	0.076	4162.8	3^-	1456.99	4^+
2707.0 5	0.066	4102.35	1^-&$(2,3)^-$	1395.01	3^-
2712.3 5	0.016	4695.00	3^-	1983.21	2^+
2712.7 5	0.017	4605.89	1^-	1893.01	0^+
2713.0 5	0.020	4170.71	3^-&1^-	1456.99	4^+
2713.3 5	1.02	2713.59	2^+,(1^-)	0.0	0^+
2723.2 5	0.014	4706.18	$(2,3)^-$	1983.21	2^+
2723.7 5	0.055	4118.9	$(3,2)^-$	1395.01	3^-
2725.6 5	0.145	3529.4	(0^+ to 3)	803.67	2^+
2725.7 5	0.056	4511.72	1^-&$(2,3)^-$	1786.40	2^+
2731.8 5	0.471	3535.80	$(2,3)^-$	803.67	2^+
2735.3 5	0.092	4521.71	3^-	1786.40	2^+
2750.2 5	0.076	4733.50	$(2,3)^-$	1983.21	2^+
2756.6 5	0.046	4151.6	$(3,2)^-$	1395.01	3^-
2761.9 5	0.004	4949.4	3^-	2186.86	5^-
2762.4 5	0.024	4549.00	$(2,3)^-$	1786.40	2^+
2763.4 5	0.022	4220.68	3^-	1456.99	4^+

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^{150}Ho ε decay (72 s) 2003Al25 (continued)

γ(^{150}Dy) (continued)

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
2767.9 5	0.051	4162.8	3^-	1395.01	3^-	3100.4 5	0.279	4495.55	3^-	1395.01	3^-
2774.1 5	0.095	3577.8	(0^+ to 3)	803.67	2^+	3112.6 5	0.168	3916.04	3^-	803.67	2^+
2776.2 5	0.011	4759.4	3^-	1983.21	2^+	3114.2 5	0.055	4901.2	$(2,3)^-$	1786.40	2^+
2783.9 5	0.020	4766.62	$(2,3)^-$	1983.21	2^+	3117.2 5	0.376	4574.29	3^-	1456.99	4^+
2787.7 5	0.142	4574.29	3^-	1786.40	2^+	3123.3 5	0.167	3927.0	$(2,3)^-$	803.67	2^+
2800.2 5	0.60	2800.63	$2^+,(1^-)$	0.0	0^+	3124.9 5	0.032	4519.6	$(3,2)^-$	1395.01	3^-
2801.8 5	0.027	4785.2	$(2,3)^-$	1983.21	2^+	3128.6 5	0.033	4523.56	$(2,3)^-$	1395.01	3^-
2810.7 5	0.137	4597.27	$(2,3)^-$	1786.40	2^+	3144.6 5	0.021	4602.0	3^-	1456.99	4^+
2816.1 5	0.016	4799.3	$(2,3)^-$	1983.21	2^+	3151.3 5	0.043	4546.6	$(3,2)^-$	1395.01	3^-
2820.0 5	0.033	4605.89	1^-	1786.40	2^+	3152.8 5	0.082	4610.1	3^-	1456.99	4^+
2820.0 5	0.023	4803.8	$(2,3)^-$	1983.21	2^+	3155.1 5	0.084	4549.90	$(2,3)^-$	1395.01	3^-
2821.4 5	0.020	4216.4	$(3,2)^-$	1395.01	3^-	3179.3 5	0.250	4574.29	3^-	1395.01	3^-
2821.4 5	0.022	4278.4	3^-	1456.99	4^+	3186.4 5	0.025	4972.8	$(2,3)^-$	1786.40	2^+
2825.7 5	0.012	4808.18	3^-	1983.21	2^+	3212.7 5	0.017	4607.7	$(3,2)^-$	1395.01	3^-
2829.1 5	0.047	4224.4	$(3,2)^-$	1395.01	3^-	3215.3 5	0.062	4610.1	3^-	1395.01	3^-
2837.0 5	0.505	4293.81	3^-	1456.99	4^+	3237.9 5	0.027	4695.00	3^-	1456.99	4^+
2851.0 5	0.687	3654.7	$(2,3)^-$	803.67	2^+	3241.2 5	0.038	4698.14	$1^-\&3^-$	1456.99	4^+
2851.0 5	0.006	4743.79	1^-	1893.01	0^+	3242.1 5	0.436	4045.87	$(2,3)^-$	803.67	2^+
2851.5 5	0.130	4835.13	$(2,3)^-$	1983.21	2^+	3279.6 5	0.188	3279.3	$2^+,(1^-)$	0.0	0^+
2858.5 5	0.042	4253.5	$(3,2)^-$	1395.01	3^-	3282.9 5	0.311	4086.92	1^-	803.67	2^+
2862.0 5	0.034	4649.1	$(2,3)^-$	1786.40	2^+	3297.3 5	0.115	4754.01	3^-	1456.99	4^+
2886.8 5	0.551	3690.61	3^-	803.67	2^+	3298.7 5	0.370	4102.35	$1^-\&(2,3)^-$	803.67	2^+
2898.6 5	0.050	4293.81	3^-	1395.01	3^-	3302.8 5	0.102	4759.4	3^-	1456.99	4^+
2900.4 5	0.334	3704.29	3^-	803.67	2^+	3311.2 5	0.123	4706.18	$(2,3)^-$	1395.01	3^-
2908.8 5	0.103	4695.00	3^-	1786.40	2^+	3313.0 5	0.140	4116.7	$(2,3)^-$	803.67	2^+
2918.5 5	0.068	4901.2	$(2,3)^-$	1983.21	2^+	3323.5 5	0.038	4718.3	$(3,2)^-$	1395.01	3^-
2919.5 5	0.043	4706.18	$(2,3)^-$	1786.40	2^+	3325.4 5	0.143	4129.2	$(2,3)^-$	803.67	2^+
2926.7 5	0.039	4322.1	$(2,3)^-$	1395.01	3^-	3332.8 5	0.115	4789.5	3^-	1456.99	4^+
2929.1 5	0.196	3733.22	3^-	803.67	2^+	3335.0 5	0.030	3335.5	$1,2^+$	0.0	0^+
2944.0 5	0.441	4401.08	3^-	1456.99	4^+	3339.6 5	0.280	3339.54	$2^+,(1^-)$	0.0	0^+
2961.4 5	0.228	4356.75	$(2,3)^-$	1395.01	3^-	3350.7 5	0.024	4808.18	3^-	1456.99	4^+
2964.5 5	0.535	4421.65	3^-	1456.99	4^+	3359.0 5	0.030	4754.01	3^-	1395.01	3^-
2966.2 5	0.059	4949.4	3^-	1983.21	2^+	3362.5 5	0.018	4757.8	$(2,3)^-$	1395.01	3^-
2967.8 5	0.142	4754.01	3^-	1786.40	2^+	3392.3 5	0.016	4849.6	3^-	1456.99	4^+
2972.0 5	0.210	2972.00	$2^+,(1^-)$	0.0	0^+	3392.9 5	0.101	4196.6	$(2,3)^-$	803.67	2^+
2973.0 5	0.041	4759.4	3^-	1786.40	2^+	3408.8 5	0.061	4803.8	$(2,3)^-$	1395.01	3^-
2980.0 5	0.023	4766.62	$(2,3)^-$	1786.40	2^+	3412.9 5	0.074	4808.18	3^-	1395.01	3^-
2988.9 5	0.380	4445.98	3^-	1456.99	4^+	3424.8 5	0.015	4881.6	3^-	1456.99	4^+
2998.8 5	0.031	4785.2	$(2,3)^-$	1786.40	2^+	3440.1 5	0.032	4835.13	$(2,3)^-$	1395.01	3^-
3009.5 5	0.033	3812.8	3^-	803.67	2^+	3454.8 5	0.037	4849.6	3^-	1395.01	3^-
3026.5 5	2.35	4421.65	3^-	1395.01	3^-	3460.9 5	0.126	4264.6	$(2,3)^-$	803.67	2^+
3026.8 5	0.028	5010.6	$(2,3)^-$	1983.21	2^+	3466.6 5	0.006	5359.7	1^-	1893.01	0^+
3032.1 5	0.376	4427.16	$(3,2)^-$	1395.01	3^-	3466.7 5	0.061	4270.4	$(2,3)^-$	803.67	2^+
3034.6 5	0.228	4491.80	3^-	1456.99	4^+	3490.3 5	0.10	4293.81	3^-	803.67	2^+
3038.4 5	0.682	4495.55	3^-	1456.99	4^+	3492.9 5	0.010	4949.4	3^-	1456.99	4^+
3039.0 5	0.277	3038.70	$2^+,(1^-)$	0.0	0^+	3499.4 5	0.018	4956.4	3^-	1456.99	4^+
3043.6 5	0.051	4439.18	$(2,3)^-$	1395.01	3^-	3518.7 5	0.293	4322.1	$(2,3)^-$	803.67	2^+
3048.0 5	0.097	4443.12	$(2,3)^-$	1395.01	3^-	3540.8 5	0.394	4344.64	$1^-\&(2,3)^-$	803.67	2^+
3049.6 5	0.025	5032.8	$(2,3)^-$	1983.21	2^+	3552.9 5	0.616	4356.75	$(2,3)^-$	803.67	2^+
3054.5 5	0.117	3857.89	$1^-\&3^-$	803.67	2^+	3557.9 5	0.655	4361.62	1^-	803.67	2^+
3064.1 5	0.044	4521.71	3^-	1456.99	4^+	3569.8 5	0.125	4373.5	$(3)^-$	803.67	2^+
3069.4 5	0.325	3069.39	$1,(2^+)$	0.0	0^+	3573.5 5	0.061	4377.51	1^-	803.67	2^+
3069.8 5	0.170	3873.64	$(2,3)^-$	803.67	2^+	3589.1 5	0.127	3588.9	$(1^-)\&(3^-)$	0.0	0^+
3087.9 5	0.086	4482.67	3^-	1395.01	3^-	3597.4 5	0.566	4401.08	3^-	803.67	2^+
3092.0 5	0.153	3895.7	1^-	803.67	2^+	3613.6 5	0.175	4417.20	$(2,3)^-$	803.67	2^+
3096.3 5	0.232	4491.80	3^-	1395.01	3^-	3617.8 5	0.250	4421.65	3^-	803.67	2^+

Continued on next page (footnotes at end of table)

^{150}Ho ε decay (72 s) 2003A125 (continued)

γ(^{150}Dy) (continued)

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
3623.2 5	0.023	4427.16	(3,2)$^-$	803.67	2$^+$	4202.2 5	0.013	5005.9	(2,3)$^-$	803.67	2$^+$
3631.7 5	0.022	5088.6	3$^-$	1456.99	4$^+$	4207.5 5	0.022	5010.6	(2,3)$^-$	803.67	2$^+$
3634.8 5	0.645	4439.18	(2,3)$^-$	803.67	2$^+$	4231.6 5	0.010	5035.3	(2,3)$^-$	803.67	2$^+$
3639.7 5	0.629	4443.12	(2,3)$^-$	803.67	2$^+$	4233.8 5	0.040	4233.9	1$^-$	0.0	0$^+$
3645.5 5	0.345	4449.65	1$^-$	803.67	2$^+$	4255.4 5	0.052	4255.5	1$^-$	0.0	0$^+$
3656.9 5	0.042	4460.7	(3)$^-$	803.67	2$^+$	4264.0 5	0.013	5067.7	(2,3)$^-$	803.67	2$^+$
3666.1 5	0.121	4469.7	(2,3)$^-$	803.67	2$^+$	4273.1 5	0.022	5076.8	(2,3)$^-$	803.67	2$^+$
3678.8 5	0.187	4482.67	3$^-$	803.67	2$^+$	4284.7 5	0.022	5088.6	3$^-$	803.67	2$^+$
3683.0 5	0.051	4486.67	(3)$^-$	803.67	2$^+$	4294.8 5	0.021	5098.5	(2,3)$^-$	803.67	2$^+$
3688.7 5	0.178	4491.80	3$^-$	803.67	2$^+$	4302.6 5	0.030	5106.3	(2,3)$^-$	803.67	2$^+$
3691.4 5	0.330	4495.55	3$^-$	803.67	2$^+$	4304.6 5	1.63	4304.99	1$^-$	0.0	0$^+$
3693.7 5	0.025	5088.6	3$^-$	1395.01	3$^-$	4307.0 5	0.020	5110.7	(2,3)$^-$	803.67	2$^+$
3708.4 5	0.631	4511.72	1$^-$&(2,3)$^-$	803.67	2$^+$	4325.3 5	0.015	5129.0	(2,3)$^-$	803.67	2$^+$
3709.0 5	0.014	5165.6	3$^-$	1456.99	4$^+$	4342.3 5	0.320	4342.4	1$^-$	0.0	0$^+$
3719.5 5	0.620	4523.56	(2,3)$^-$	803.67	2$^+$	4344.0 5	0.730	4344.64	1$^-$&(2,3)$^-$	0.0	0$^+$
3740.6 5	0.139	4544.49	1$^-$&3$^-$	803.67	2$^+$	4355.0 5	0.062	4355.1	1$^-$	0.0	0$^+$
3746.2 5	0.125	4549.90	(2,3)$^-$	803.67	2$^+$	4361.3 5	1.82	4361.62	1$^-$	0.0	0$^+$
3748.0 5	0.028	5142.8	(3,2)$^-$	1395.01	3$^-$	4372.5 5	0.014	5176.2	(2,3)$^-$	803.67	2$^+$
3770.1 5	0.023	5165.6	3$^-$	1395.01	3$^-$	4377.3 5	0.240	4377.51	1$^-$	0.0	0$^+$
3773.1 5	0.076	4576.5	(3)$^-$	803.67	2$^+$	4377.4 5	0.062	5181.1	(2,3)$^-$	803.67	2$^+$
3792.7 5	0.006	5250.4	3$^-$	1456.99	4$^+$	4390.0 5	0.023	5193.7	(2,3)$^-$	803.67	2$^+$
3793.8 5	0.072	4597.27	(2,3)$^-$	803.67	2$^+$	4404.0 5	0.013	5207.7	(2,3)$^-$	803.67	2$^+$
3798.0 5	0.012	5254.6	3$^-$	1456.99	4$^+$	4407.6 5	0.015	5211.3	(2,3)$^-$	803.67	2$^+$
3803.9 5	0.213	3804.2	2$^+$	0.0	0$^+$	4415.6 5	0.028	5218.7	(2,3)$^-$	803.67	2$^+$
3823.0 5	0.015	5218.7	(2,3)$^-$	1395.01	3$^-$	4431.6 5	0.113	4431.74	1$^-$	0.0	0$^+$
3830.0 5	0.022	5225.1	(3,2)$^-$	1395.01	3$^-$	4443.0 5	0.006	5246.7	(2,3)$^-$	803.67	2$^+$
3834.2 5	0.10	3834.3	1$^-$	0.0	0$^+$	4444.2 5	0.087	4444.3	1$^-$	0.0	0$^+$
3836.8 5	0.210	4640.6	(2,3)$^-$	803.67	2$^+$	4447.0 5	0.028	5250.4	3$^-$	803.67	2$^+$
3839.0 5	0.005	5296.1	3$^-$	1456.99	4$^+$	4449.4 5	2.10	4449.65	1$^-$	0.0	0$^+$
3855.7 5	0.013	5250.4	3$^-$	1395.01	3$^-$	4450.2 5	0.028	5254.6	3$^-$	803.67	2$^+$
3856.6 5	0.021	5251.7	(3,2)$^-$	1395.01	3$^-$	4480.3 5	0.169	4480.6	1$^-$	0.0	0$^+$
3856.8 5	0.058	4660.29	(2,3)$^-$	803.67	2$^+$	4488.0 5	0.033	4487.9	1$^-$	0.0	0$^+$
3857.8 5	0.234	3857.89	1$^-$&3$^-$	0.0	0$^+$	4492.5 5	0.010	5296.1	3$^-$	803.67	2$^+$
3859.9 5	0.010	5254.6	3$^-$	1395.01	3$^-$	4512.5 5	0.017	4511.72	1$^-$&(2,3)$^-$	0.0	0$^+$
3862.7 5	0.082	4665.96	(2,3)$^-$	803.67	2$^+$	4518.1 5	0.258	4518.52	1$^-$	0.0	0$^+$
3895.5 5	0.255	3895.7	1$^-$	0.0	0$^+$	4523.8 5	0.007	5327.5	(2,3)$^-$	803.67	2$^+$
3896.2 5	0.009	5353.2	3$^-$	1456.99	4$^+$	4530.4 5	0.010	5334.1	(2,3)$^-$	803.67	2$^+$
3902.7 5	0.248	4706.18	(2,3)$^-$	803.67	2$^+$	4545.0 5	0.111	4544.49	1$^-$&3$^-$	0.0	0$^+$
3929.6 5	0.160	4733.50	(2,3)$^-$	803.67	2$^+$	4584.3 5	0.052	4584.4	1$^-$	0.0	0$^+$
3949.8 5	0.041	4754.01	3$^-$	803.67	2$^+$	4605.4 5	0.147	4605.89	1$^-$	0.0	0$^+$
3954.6 5	0.068	4757.8	(2,3)$^-$	803.67	2$^+$	4611.0 5	0.006	5414.7	(2,3)$^-$	803.67	2$^+$
3985.4 5	0.030	4789.5	3$^-$	803.67	2$^+$	4647.1 5	0.006	5450.8	(2,3)$^-$	803.67	2$^+$
4000.2 5	0.133	4803.8	(2,3)$^-$	803.67	2$^+$	4652.9 5	0.067	4653.0	1$^-$	0.0	0$^+$
4004.5 5	0.098	4808.18	3$^-$	803.67	2$^+$	4698.2 5	0.091	4698.14	1$^-$&3$^-$	0.0	0$^+$
4031.0 5	0.260	4835.13	(2,3)$^-$	803.67	2$^+$	4712.2 5	0.097	4712.3	1$^-$	0.0	0$^+$
4066.6 5	0.024	4870.3	(2,3)$^-$	803.67	2$^+$	4743.8 5	0.173	4743.79	1$^-$	0.0	0$^+$
4077.7 5	0.021	4881.6	3$^-$	803.67	2$^+$	4794.0 5	0.060	4794.1	1$^-$	0.0	0$^+$
4087.1 5	0.912	4086.92	1$^-$	0.0	0$^+$	4809.1 5	0.034	4809.2	1$^-$	0.0	0$^+$
4100.3 5	0.223	4100.02	1$^-$	0.0	0$^+$	4858.2 5	0.009	5662.0	(2,3)$^-$	803.67	2$^+$
4102.2 5	0.382	4102.35	1$^-$&(2,3)$^-$	0.0	0$^+$	4883.1 5	0.071	4883.2	1$^-$	0.0	0$^+$
4106.0 5	0.019	4909.7	(2,3)$^-$	803.67	2$^+$	4921.8 5	0.007	5725.6	(2,3)$^-$	803.67	2$^+$
4134.0 5	0.022	4937.7	(2,3)$^-$	803.67	2$^+$	5000.6 5	0.077	5000.7	1$^-$	0.0	0$^+$
4145.7 5	0.015	4949.4	3$^-$	803.67	2$^+$	5031.5 5	0.015	5031.6	1$^-$	0.0	0$^+$
4191.5 5	0.094	4995.5	(2,3)$^-$	803.67	2$^+$	5076.7 5	0.004	5880.5	(2,3)$^-$	803.67	2$^+$
4199.0 5	0.047	4199.1	1$^-$	0.0	0$^+$	5084.2 5	0.003	5888.0	(2,3)$^-$	803.67	2$^+$

Continued on next page (footnotes at end of table)

^{150}Ho ε decay (72 s) 2003Al25 (continued)

$\gamma(^{150}Dy)$ (continued)

† From 2003Al23; uncertainty of 0.5 keV to each γ ray is assigned; estimated uncertainty is below 0.5 keV in 100-7650 keV energy range.

‡ $\Delta I\gamma$ not given explicitly by 2003Al25, but the authors state that the estimated uncertainty of the photopeak efficiency in the 53-3451 keV range is 5%.

For absolute intensity per 100 decays, multiply by 0.8048.

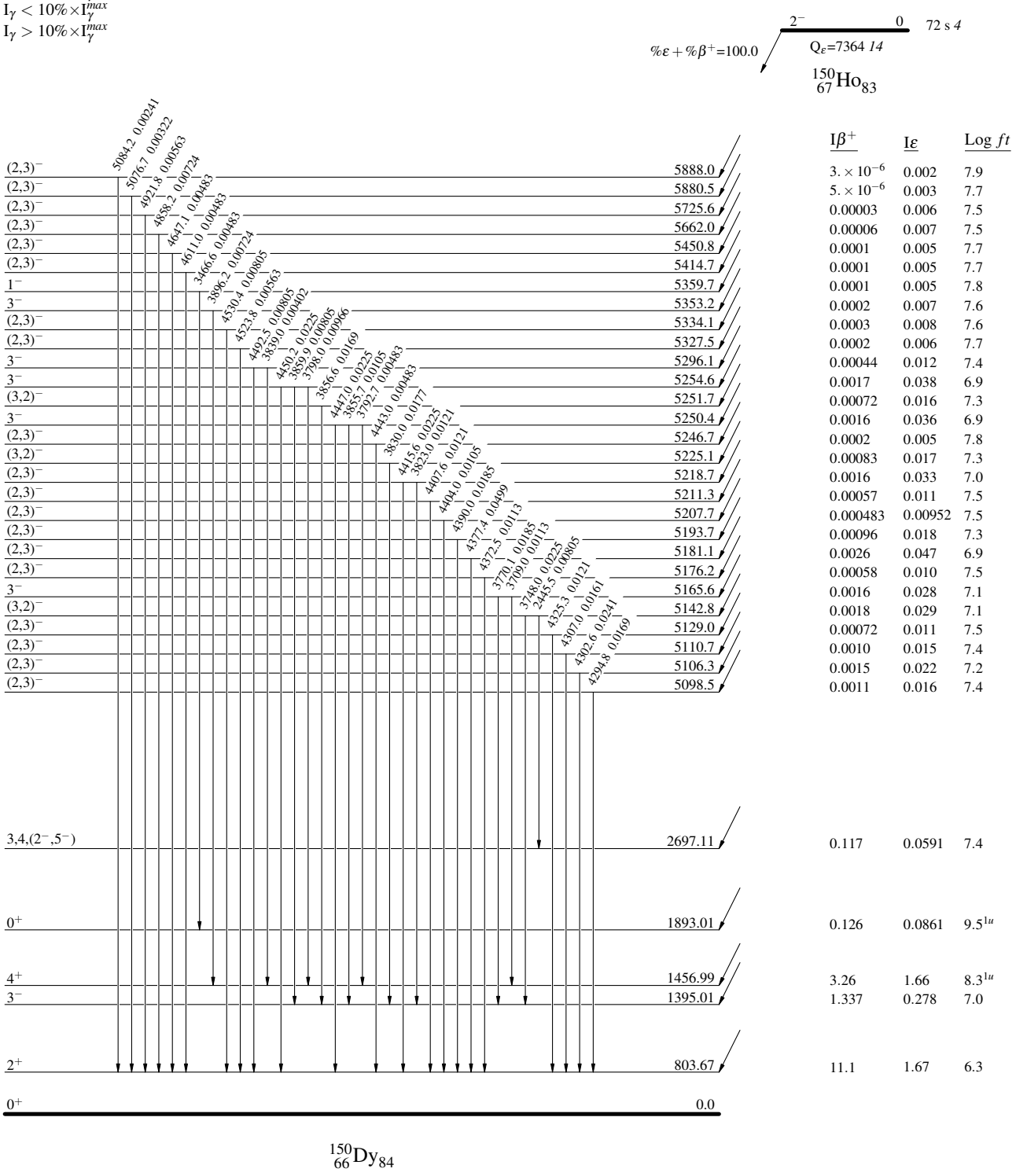
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
(2,3)⁻ 5888.0	3. × 10⁻⁶	0.002	7.9
(2,3)⁻ 5880.5	5. × 10⁻⁶	0.003	7.7
(2,3)⁻ 5725.6	0.00003	0.006	7.5
(2,3)⁻ 5662.0	0.00006	0.007	7.5
(2,3)⁻ 5450.8	0.0001	0.005	7.7
(2,3)⁻ 5414.7	0.0001	0.005	7.7
1⁻ 5359.7	0.0001	0.005	7.8
3⁻ 5353.2	0.0002	0.007	7.6
(2,3)⁻ 5334.1	0.0003	0.008	7.6
(2,3)⁻ 5327.5	0.0002	0.006	7.7
3⁻ 5296.1	0.00044	0.012	7.4
3⁻ 5254.6	0.0017	0.038	6.9
(3,2)⁻ 5251.7	0.00072	0.016	7.3
3⁻ 5250.4	0.0016	0.036	6.9
(2,3)⁻ 5246.7	0.0002	0.005	7.8
(3,2)⁻ 5225.1	0.00083	0.017	7.3
(2,3)⁻ 5218.7	0.0016	0.033	7.0
(2,3)⁻ 5211.3	0.00057	0.011	7.5
(2,3)⁻ 5207.7	0.000483	0.00952	7.5
(2,3)⁻ 5193.7	0.00096	0.018	7.3
(2,3)⁻ 5181.1	0.0026	0.047	6.9
(2,3)⁻ 5176.2	0.00058	0.010	7.5
3⁻ 5165.6	0.0016	0.028	7.1
(3,2)⁻ 5142.8	0.0018	0.029	7.1
(2,3)⁻ 5129.0	0.00072	0.011	7.5
(2,3)⁻ 5110.7	0.0010	0.015	7.4
(2,3)⁻ 5106.3	0.0015	0.022	7.2
(2,3)⁻ 5098.5	0.0011	0.016	7.4
3,4,(2⁻,5⁻) 2697.11	0.117	0.0591	7.4
0⁺ 1893.01	0.126	0.0861	9.5[1u]
4⁺ 1456.99	3.26	1.66	8.3[1u]
3⁻ 1395.01	1.337	0.278	7.0
2⁺ 803.67	11.1	1.67	6.3
0⁺ 0.0			

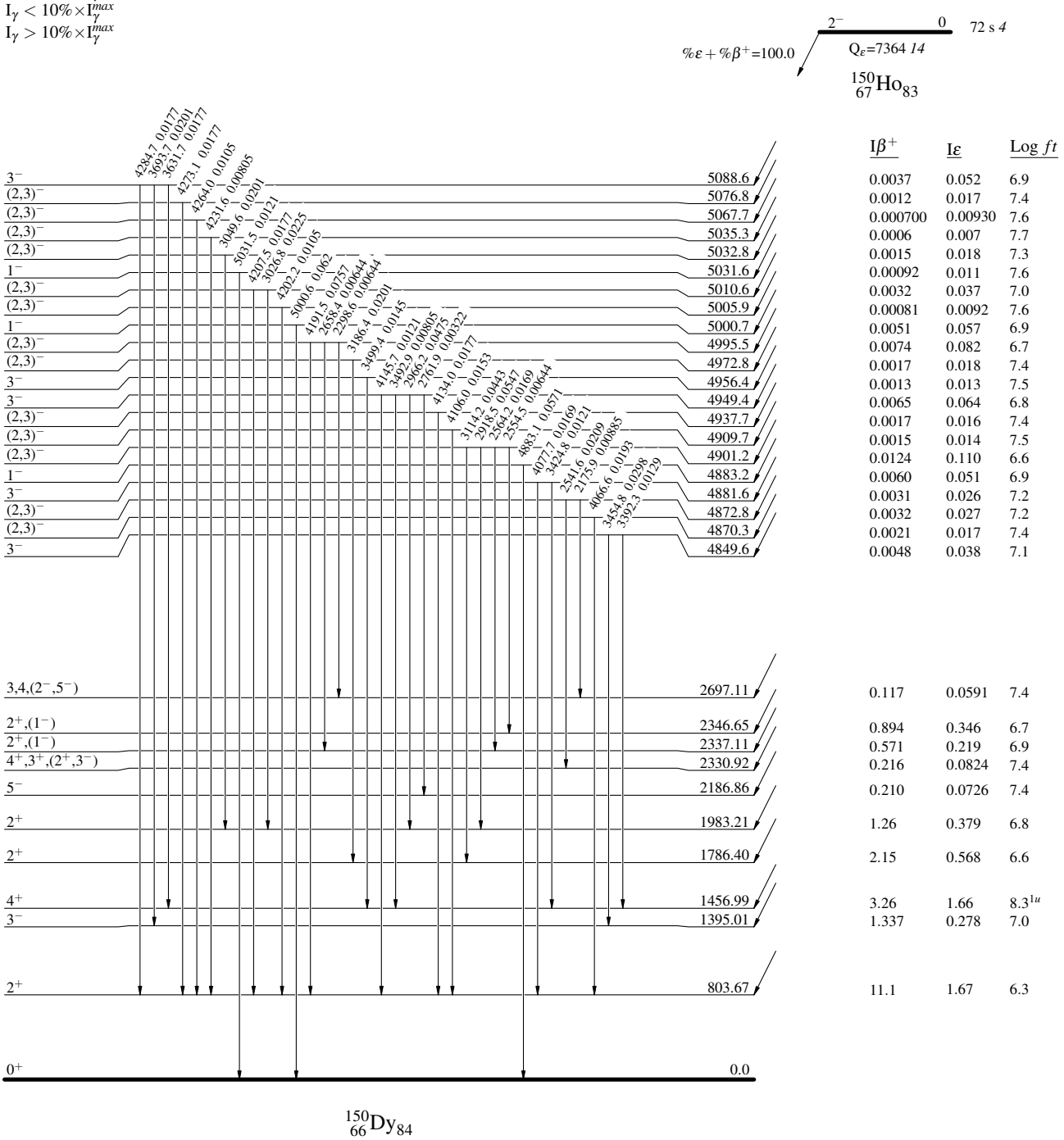
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
5088.6	0.0037	0.052	6.9
5076.8	0.0012	0.017	7.4
5067.7	0.000700	0.00930	7.6
5035.3	0.0006	0.007	7.7
5032.8	0.0015	0.018	7.3
5031.6	0.00092	0.011	7.6
5010.6	0.0032	0.037	7.0
5005.9	0.00081	0.0092	7.6
5000.7	0.0051	0.057	6.9
4995.5	0.0074	0.082	6.7
4972.8	0.0017	0.018	7.4
4956.4	0.0013	0.013	7.5
4949.4	0.0065	0.064	6.8
4937.7	0.0017	0.016	7.4
4909.7	0.0015	0.014	7.5
4901.2	0.0124	0.110	6.6
4883.2	0.0060	0.051	6.9
4881.6	0.0031	0.026	7.2
4872.8	0.0032	0.027	7.2
4870.3	0.0021	0.017	7.4
4849.6	0.0048	0.038	7.1
2697.11	0.117	0.0591	7.4
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2186.86	0.210	0.0726	7.4
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3
0.0			

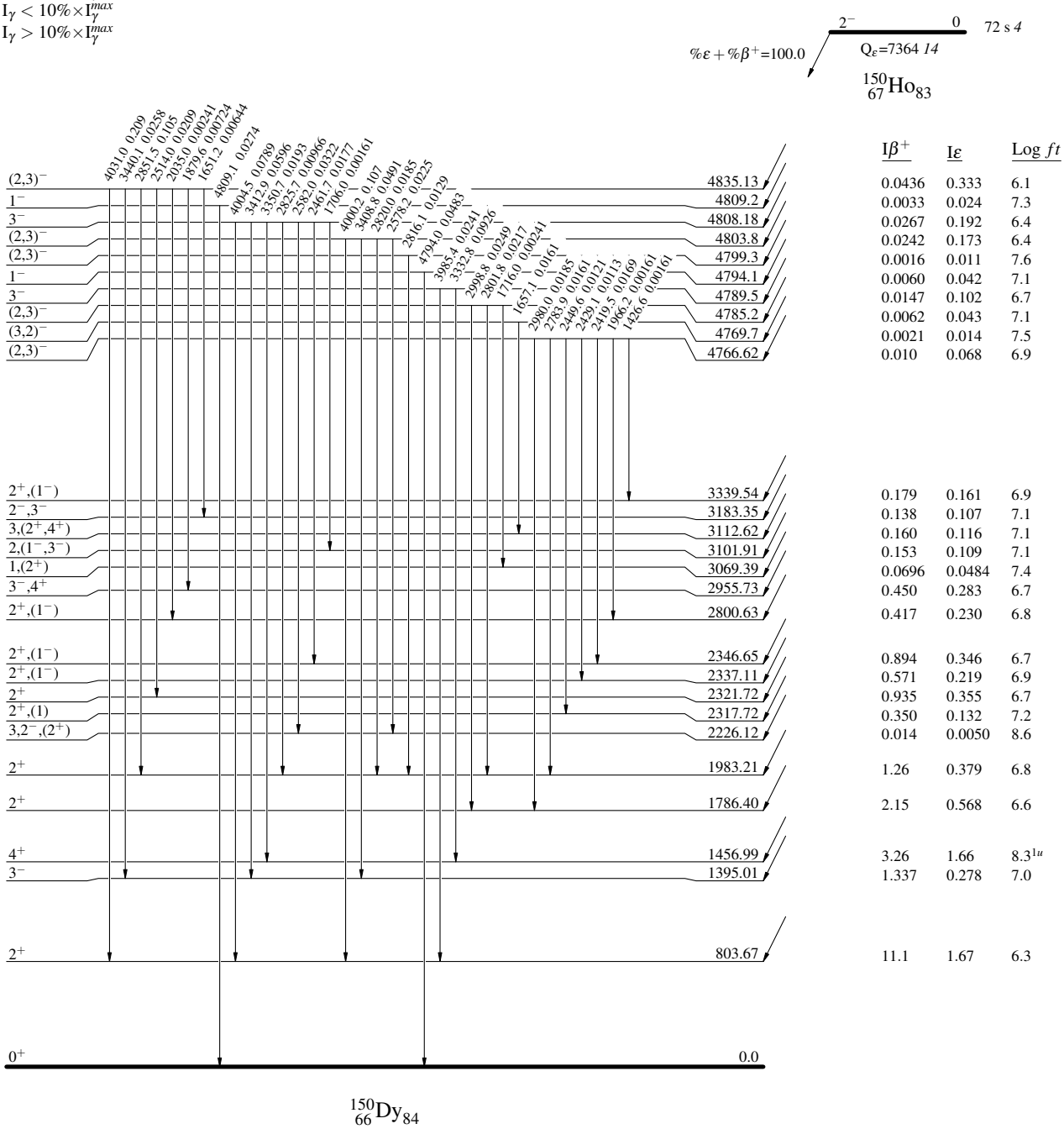
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
(2,3)⁻ 4835.13	0.0436	0.333	6.1
1⁻ 4809.2	0.0033	0.024	7.3
3⁻ 4808.18	0.0267	0.192	6.4
(2,3)⁻ 4803.8	0.0242	0.173	6.4
(2,3)⁻ 4799.3	0.0016	0.011	7.6
1⁻ 4794.1	0.0060	0.042	7.1
3⁻ 4789.5	0.0147	0.102	6.7
(2,3)⁻ 4785.2	0.0062	0.043	7.1
(3,2)⁻ 4769.7	0.0021	0.014	7.5
(2,3)⁻ 4766.62	0.010	0.068	6.9
2⁺,(1⁻) 3339.54	0.179	0.161	6.9
2⁻,3⁻ 3183.35	0.138	0.107	7.1
3,(2⁺,4⁺) 3112.62	0.160	0.116	7.1
2,(1⁻,3⁻) 3101.91	0.153	0.109	7.1
1,(2⁺) 3069.39	0.0696	0.0484	7.4
3⁻,4⁺ 2955.73	0.450	0.283	6.7
2⁺,(1⁻) 2800.63	0.417	0.230	6.8
2⁺,(1⁻) 2346.65	0.894	0.346	6.7
2⁺,(1⁻) 2337.11	0.571	0.219	6.9
2⁺ 2321.72	0.935	0.355	6.7
2⁺,(1) 2317.72	0.350	0.132	7.2
3,2⁻,(2⁺) 2226.12	0.014	0.0050	8.6
2⁺ 1983.21	1.26	0.379	6.8
2⁺ 1786.40	2.15	0.568	6.6
4⁺ 1456.99	3.26	1.66	8.3[1u]
3⁻ 1395.01	1.337	0.278	7.0
2⁺ 803.67	11.1	1.67	6.3

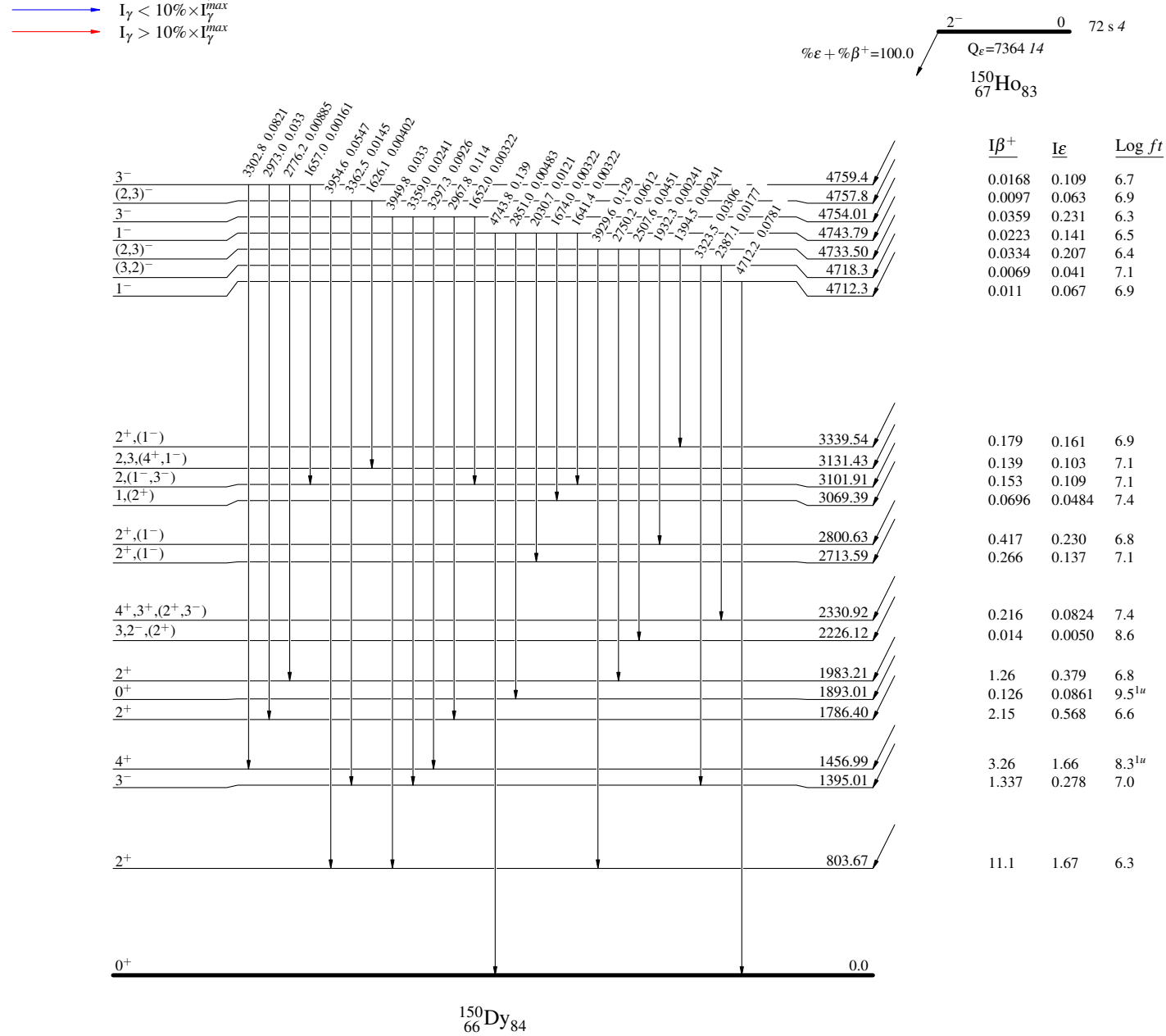
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
4759.4	0.0168	0.109	6.7
4757.8	0.0097	0.063	6.9
4754.01	0.0359	0.231	6.3
4743.79	0.0223	0.141	6.5
4733.50	0.0334	0.207	6.4
4718.3	0.0069	0.041	7.1
4712.3	0.011	0.067	6.9
3339.54	0.179	0.161	6.9
3131.43	0.139	0.103	7.1
3101.91	0.153	0.109	7.1
3069.39	0.0696	0.0484	7.4
2800.63	0.417	0.230	6.8
2713.59	0.266	0.137	7.1
2330.92	0.216	0.0824	7.4
2226.12	0.014	0.0050	8.6
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3
0.0			

$^{150}_{66}Dy_{84}$

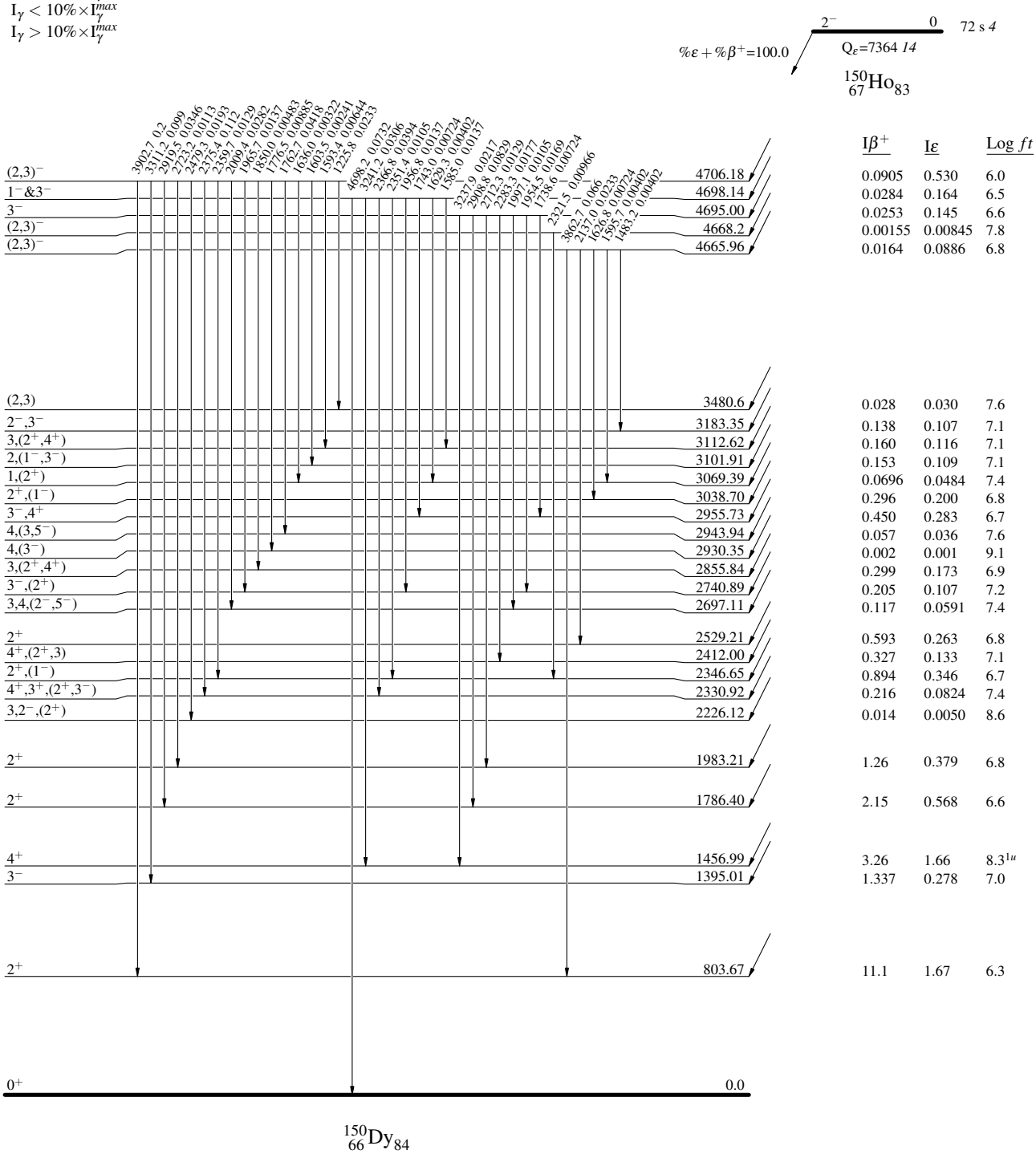
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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

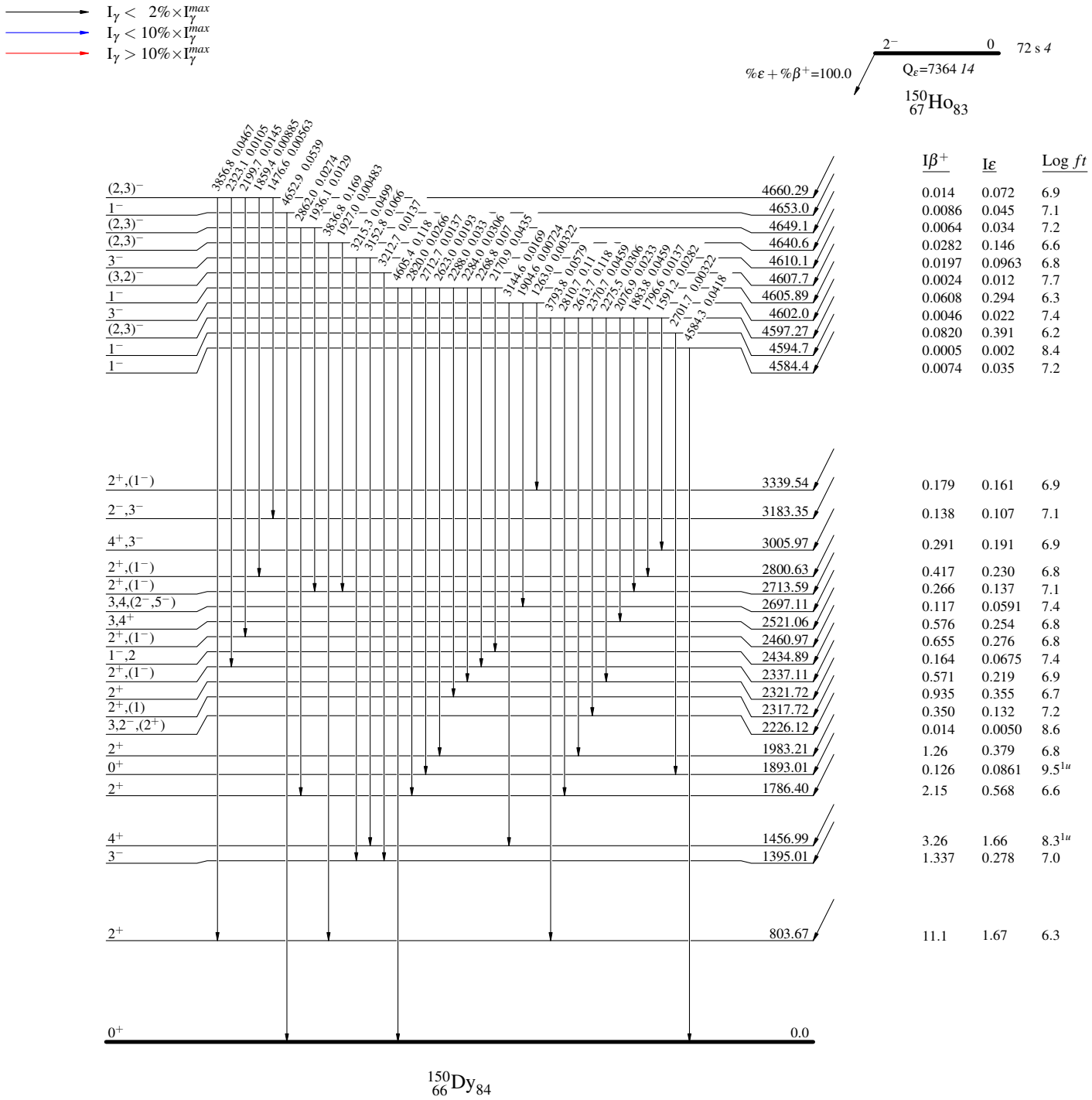


	Iβ⁺	Iε	Log *ft*
	0.0905	0.530	6.0
	0.0284	0.164	6.5
	0.0253	0.145	6.6
	0.00155	0.00845	7.8
	0.0164	0.0886	6.8
	0.028	0.030	7.6
	0.138	0.107	7.1
	0.160	0.116	7.1
	0.153	0.109	7.1
	0.0696	0.0484	7.4
	0.296	0.200	6.8
	0.450	0.283	6.7
	0.057	0.036	7.6
	0.002	0.001	9.1
	0.299	0.173	6.9
	0.205	0.107	7.2
	0.117	0.0591	7.4
	0.593	0.263	6.8
	0.327	0.133	7.1
	0.894	0.346	6.7
	0.216	0.0824	7.4
	0.014	0.0050	8.6
	1.26	0.379	6.8
	2.15	0.568	6.6
	3.26	1.66	8.3[1u]
	1.337	0.278	7.0
	11.1	1.67	6.3

^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



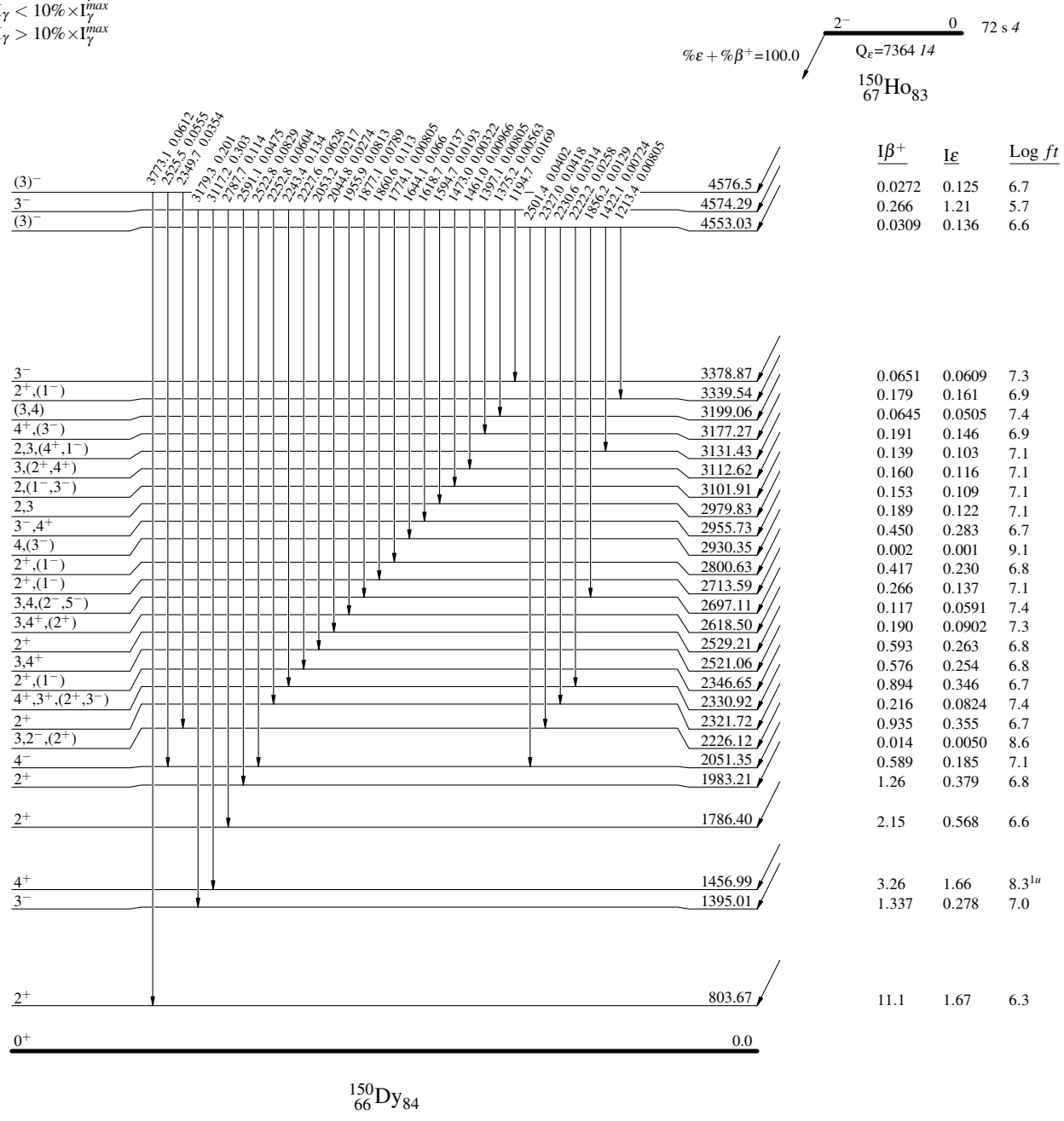
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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

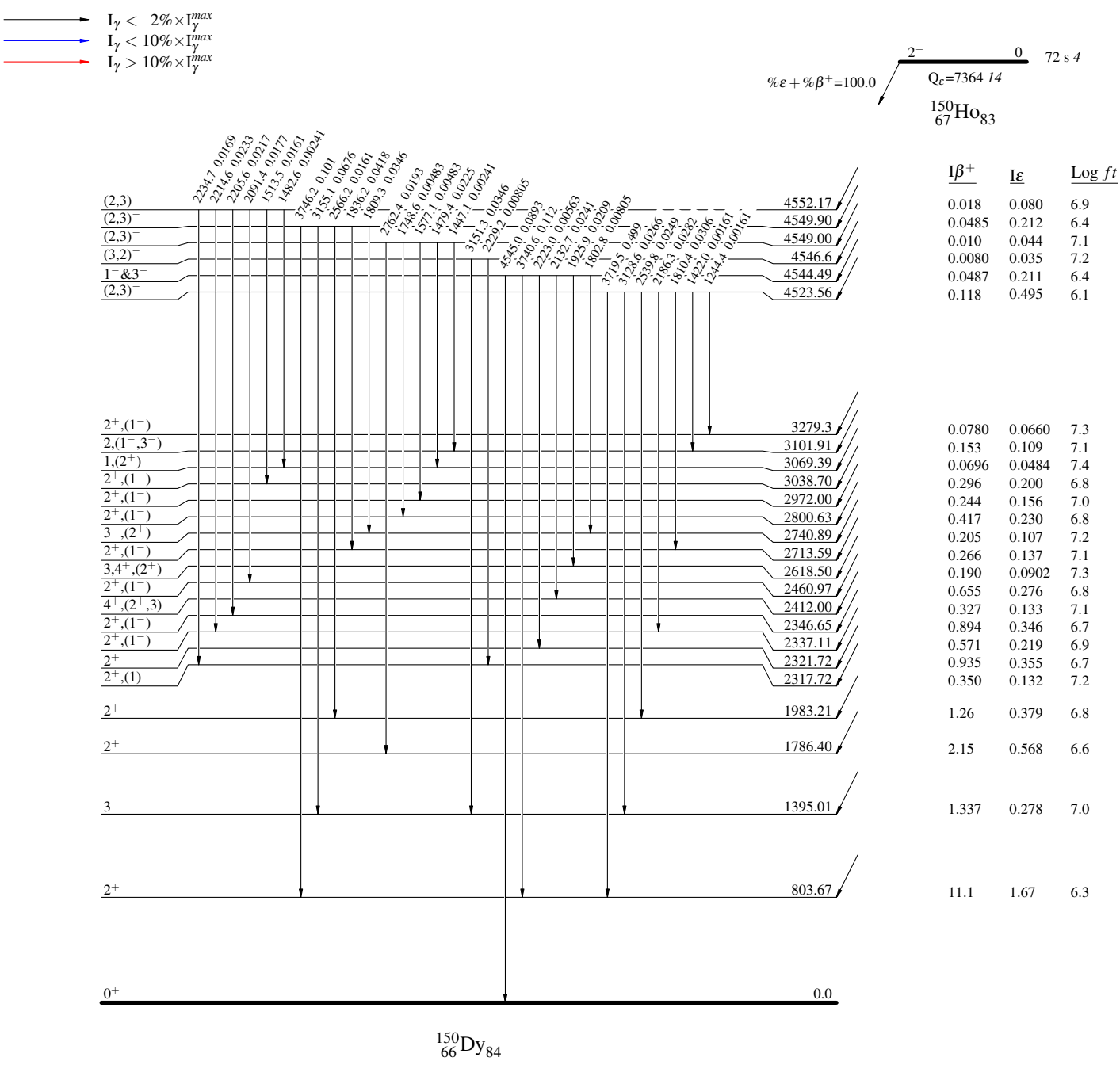


	Iβ⁺	Iε	Log *ft*
4576.5	0.0272	0.125	6.7
4574.29	0.266	1.21	5.7
4553.03	0.0309	0.136	6.6
3378.87	0.0651	0.0609	7.3
3339.54	0.179	0.161	6.9
3199.06	0.0645	0.0505	7.4
3177.27	0.191	0.146	6.9
3131.43	0.139	0.103	7.1
3112.62	0.160	0.116	7.1
3101.91	0.153	0.109	7.1
2979.83	0.189	0.122	7.1
2955.73	0.450	0.283	6.7
2930.35	0.002	0.001	9.1
2800.63	0.417	0.230	6.8
2713.59	0.266	0.137	7.1
2697.11	0.117	0.0591	7.4
2618.50	0.190	0.0902	7.3
2529.21	0.593	0.263	6.8
2521.06	0.576	0.254	6.8
2346.65	0.894	0.346	6.7
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2226.12	0.014	0.0050	8.6
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

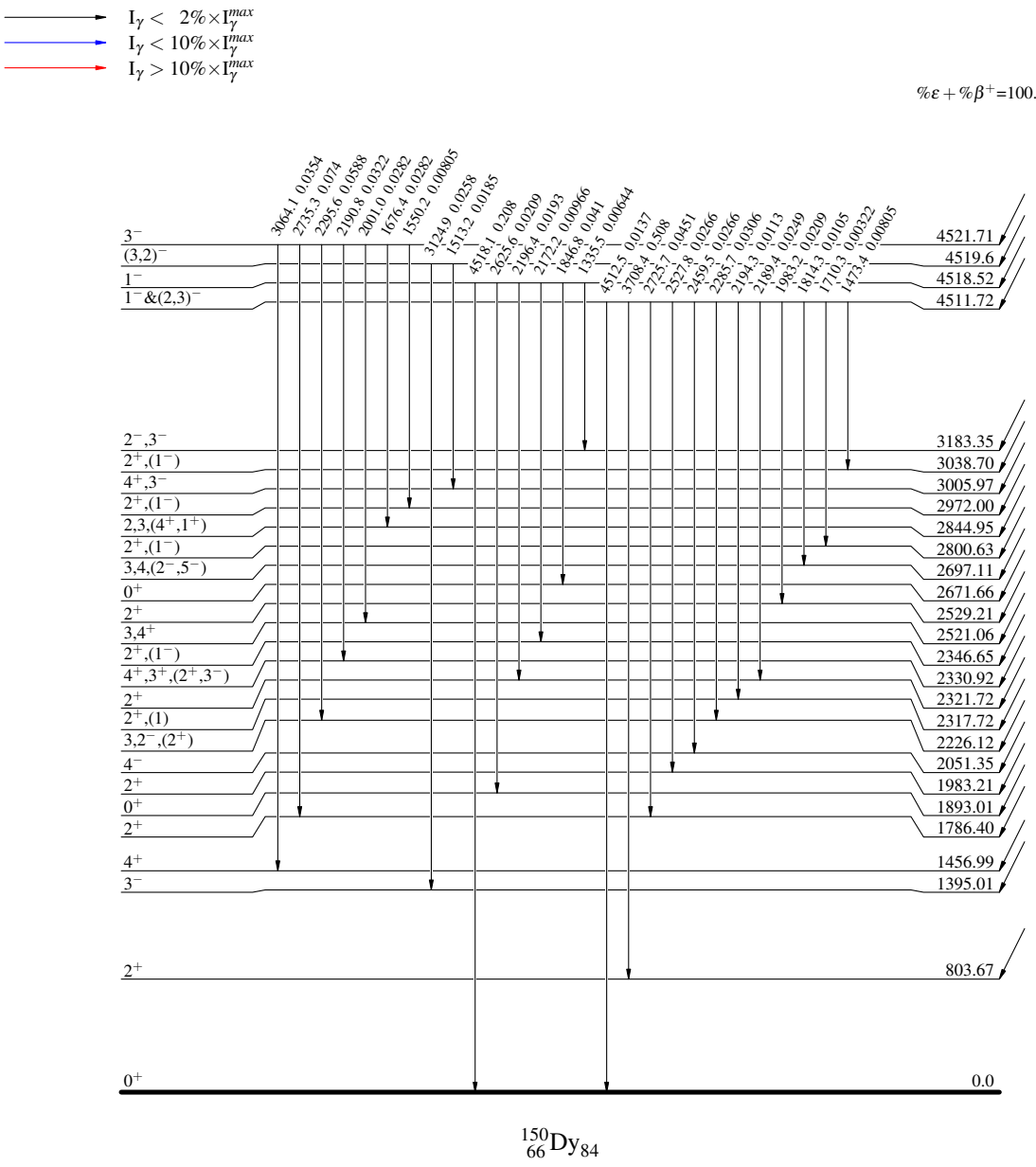


	Iβ+	Iε	Log *ft*
4552.17	0.018	0.080	6.9
4549.90	0.0485	0.212	6.4
4549.00	0.010	0.044	7.1
4546.6	0.0080	0.035	7.2
4544.49	0.0487	0.211	6.4
4523.56	0.118	0.495	6.1
3279.3	0.0780	0.0660	7.3
3101.91	0.153	0.109	7.1
3069.39	0.0696	0.0484	7.4
3038.70	0.296	0.200	6.8
2972.00	0.244	0.156	7.0
2800.63	0.417	0.230	6.8
2740.89	0.205	0.107	7.2
2713.59	0.266	0.137	7.1
2618.50	0.190	0.0902	7.3
2460.97	0.655	0.276	6.8
2412.00	0.327	0.133	7.1
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
2321.72	0.935	0.355	6.7
2317.72	0.350	0.132	7.2
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



	Iβ+	Iε	Log *ft*
4521.71	0.0513	0.214	6.4
4519.6	0.0085	0.035	7.2
4518.52	0.0593	0.246	6.4
4511.72	0.143	0.586	6.0
3183.35	0.138	0.107	7.1
3038.70	0.296	0.200	6.8
3005.97	0.291	0.191	6.9
2972.00	0.244	0.156	7.0
2844.95	0.706	0.404	6.6
2800.63	0.417	0.230	6.8
2697.11	0.117	0.0591	7.4
2671.66	0.044	0.055	9.4[1u]
2529.21	0.593	0.263	6.8
2521.06	0.576	0.254	6.8
2346.65	0.894	0.346	6.7
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2317.72	0.350	0.132	7.2
2226.12	0.014	0.0050	8.6
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

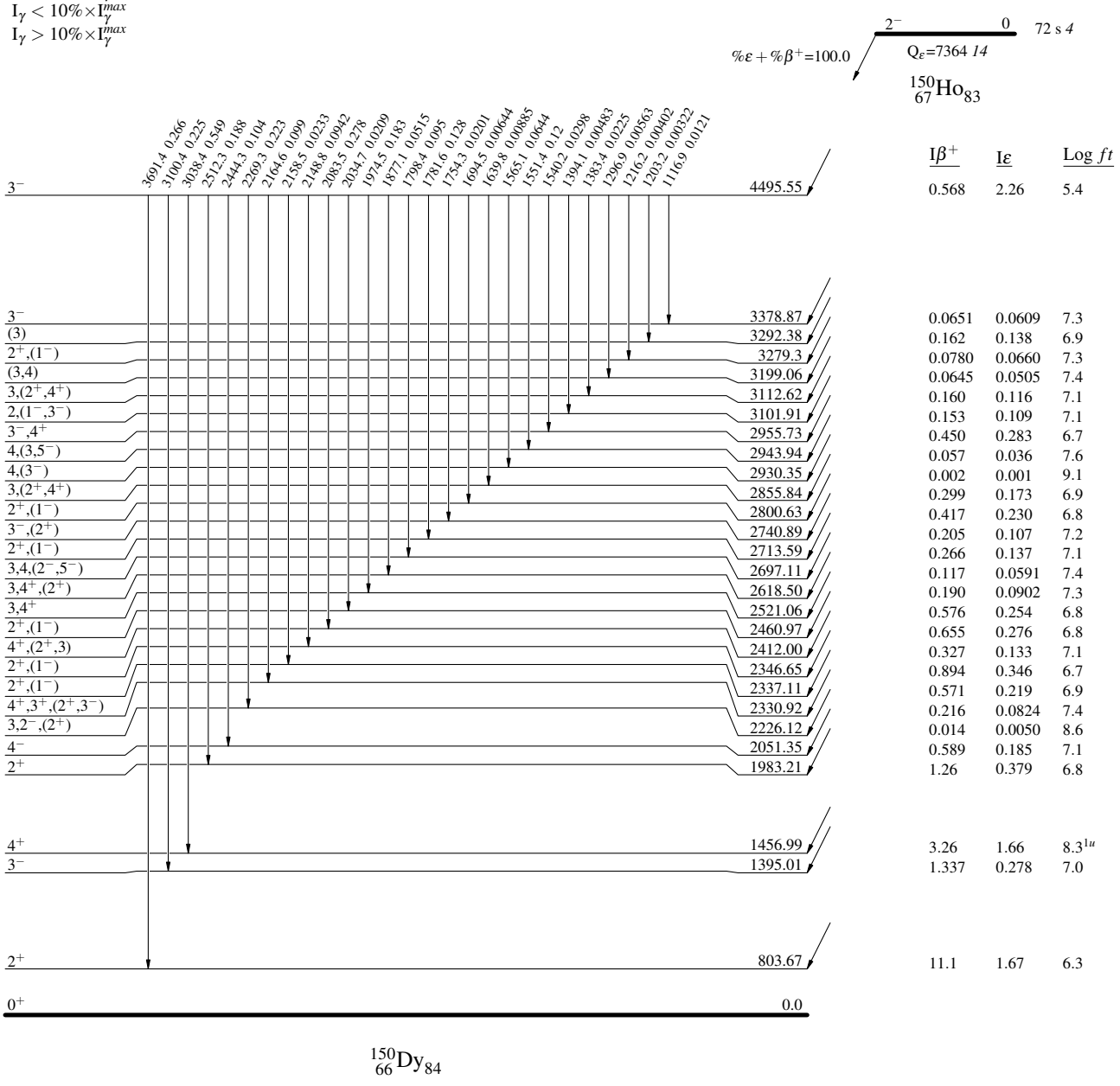
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
4495.55	0.568	2.26	5.4
3378.87	0.0651	0.0609	7.3
3292.38	0.162	0.138	6.9
3279.3	0.0780	0.0660	7.3
3199.06	0.0645	0.0505	7.4
3112.62	0.160	0.116	7.1
3101.91	0.153	0.109	7.1
2955.73	0.450	0.283	6.7
2943.94	0.057	0.036	7.6
2930.35	0.002	0.001	9.1
2855.84	0.299	0.173	6.9
2800.63	0.417	0.230	6.8
2740.89	0.205	0.107	7.2
2713.59	0.266	0.137	7.1
2697.11	0.117	0.0591	7.4
2618.50	0.190	0.0902	7.3
2521.06	0.576	0.254	6.8
2460.97	0.655	0.276	6.8
2412.00	0.327	0.133	7.1
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2226.12	0.014	0.0050	8.6
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

$^{150}_{66}Dy_{84}$

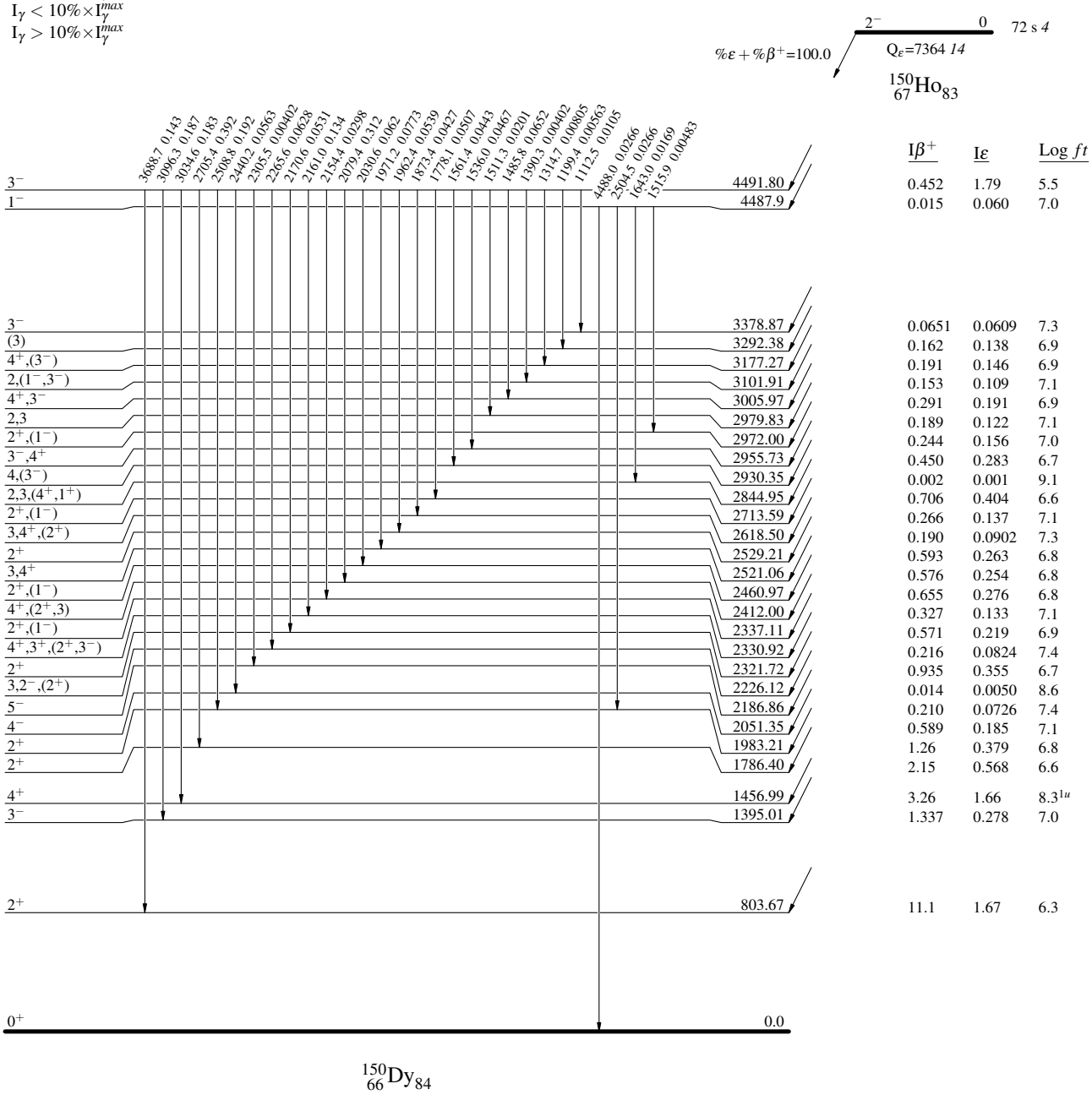
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
4491.80	0.452	1.79	5.5
4487.9	0.015	0.060	7.0
3378.87	0.0651	0.0609	7.3
3292.38	0.162	0.138	6.9
3177.27	0.191	0.146	6.9
3101.91	0.153	0.109	7.1
3005.97	0.291	0.191	6.9
2979.83	0.189	0.122	7.1
2972.00	0.244	0.156	7.0
2955.73	0.450	0.283	6.7
2930.35	0.002	0.001	9.1
2844.95	0.706	0.404	6.6
2713.59	0.266	0.137	7.1
2618.50	0.190	0.0902	7.3
2529.21	0.593	0.263	6.8
2521.06	0.576	0.254	6.8
2460.97	0.655	0.276	6.8
2412.00	0.327	0.133	7.1
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2226.12	0.014	0.0050	8.6
2186.86	0.210	0.0726	7.4
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

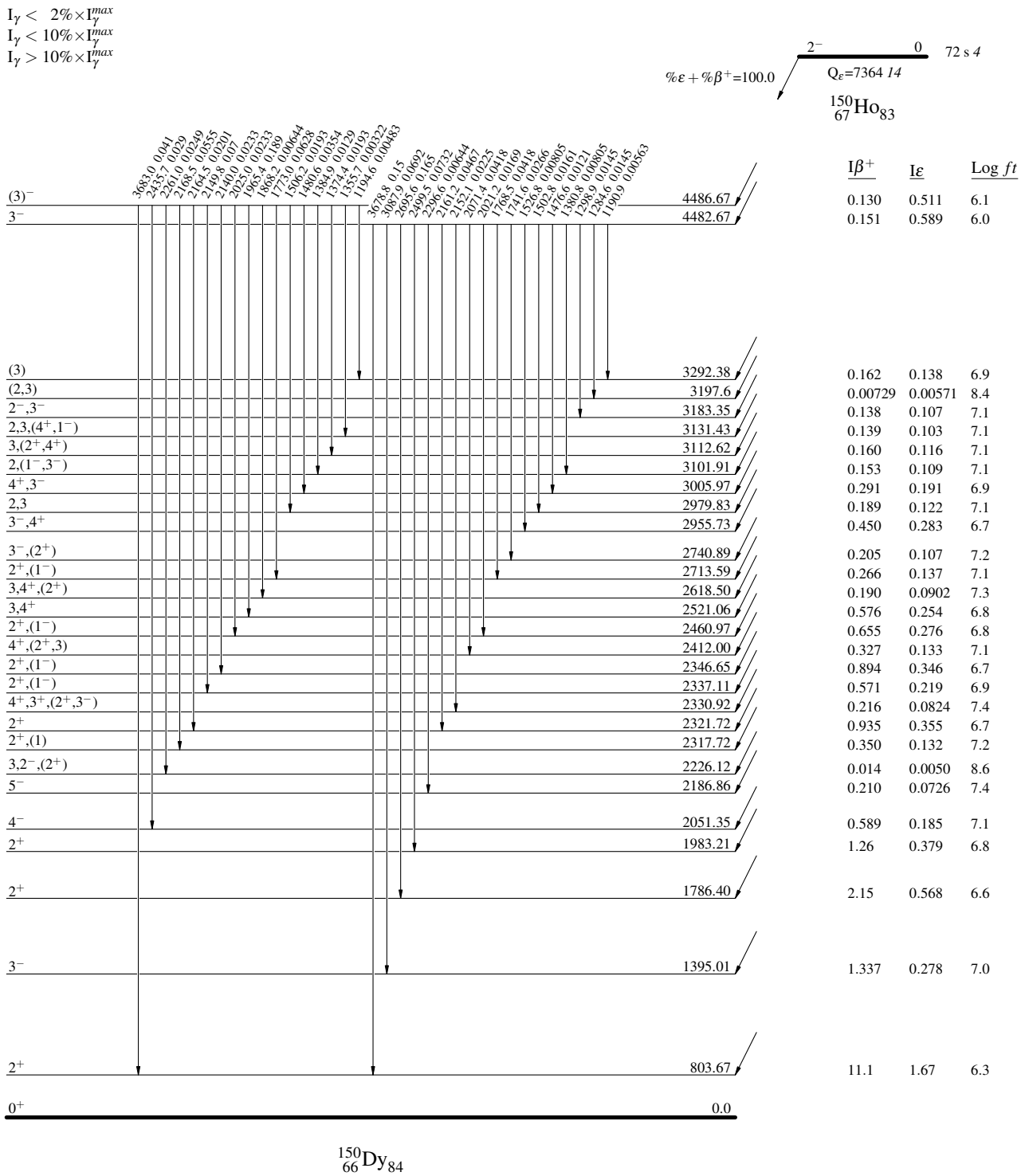
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



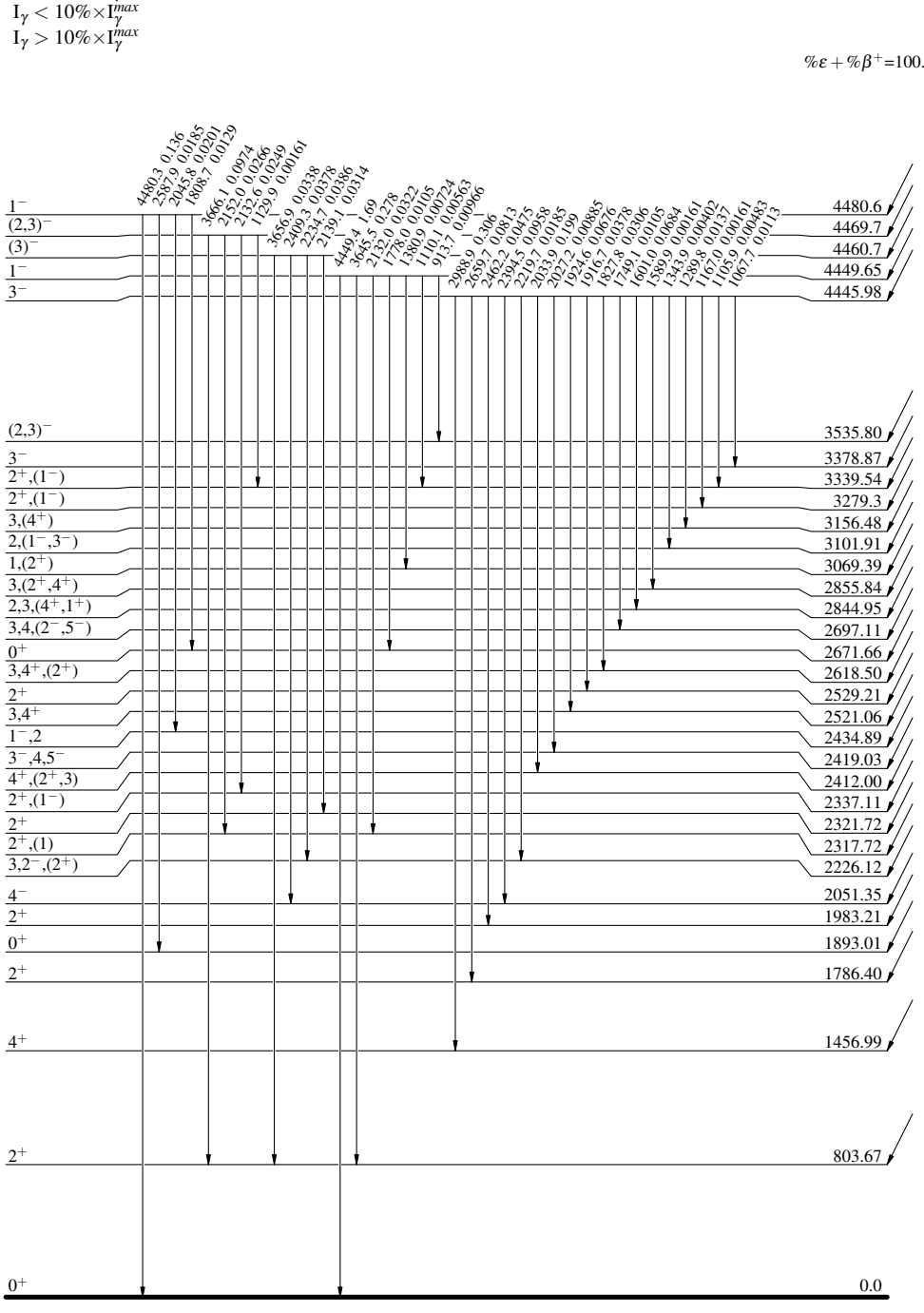
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
4480.6	0.0385	0.149	6.6
4469.7	0.0314	0.120	6.7
4460.7	0.0299	0.112	6.7
4449.65	0.433	1.60	5.6
4445.98	0.217	0.793	5.9
3535.80	0.206	0.227	6.7
3378.87	0.0651	0.0609	7.3
3339.54	0.179	0.161	6.9
3279.3	0.0780	0.0660	7.3
3156.48	0.165	0.124	7.0
3101.91	0.153	0.109	7.1
3069.39	0.0696	0.0484	7.4
2855.84	0.299	0.173	6.9
2844.95	0.706	0.404	6.6
2697.11	0.117	0.0591	7.4
2671.66	0.044	0.055	9.4[1u]
2618.50	0.190	0.0902	7.3
2529.21	0.593	0.263	6.8
2521.06	0.576	0.254	6.8
2434.89	0.164	0.0675	7.4
2419.03	0.151	0.0614	7.5
2412.00	0.327	0.133	7.1
2337.11	0.571	0.219	6.9
2321.72	0.935	0.355	6.7
2317.72	0.350	0.132	7.2
2226.12	0.014	0.0050	8.6
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
803.67	11.1	1.67	6.3

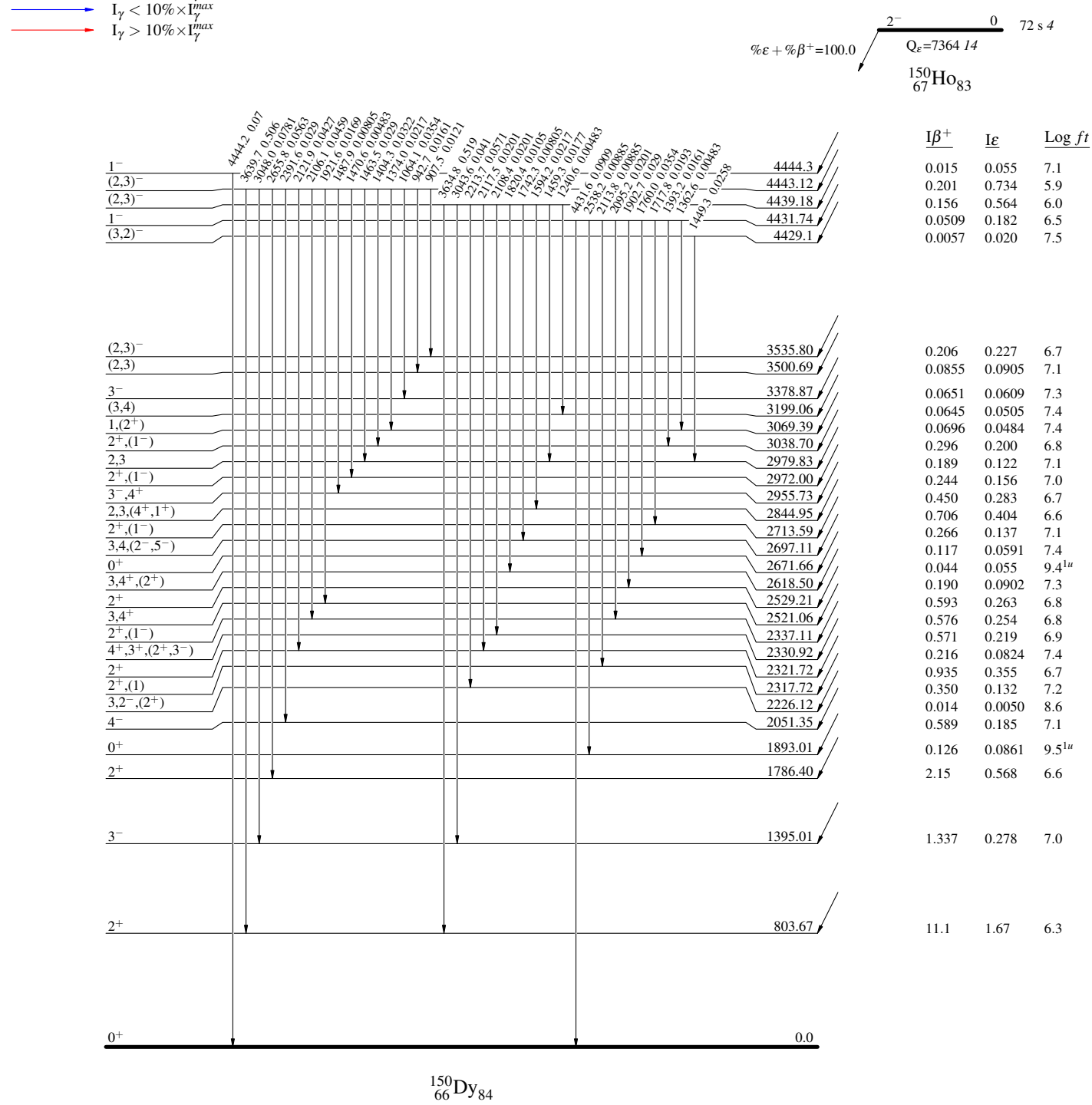
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



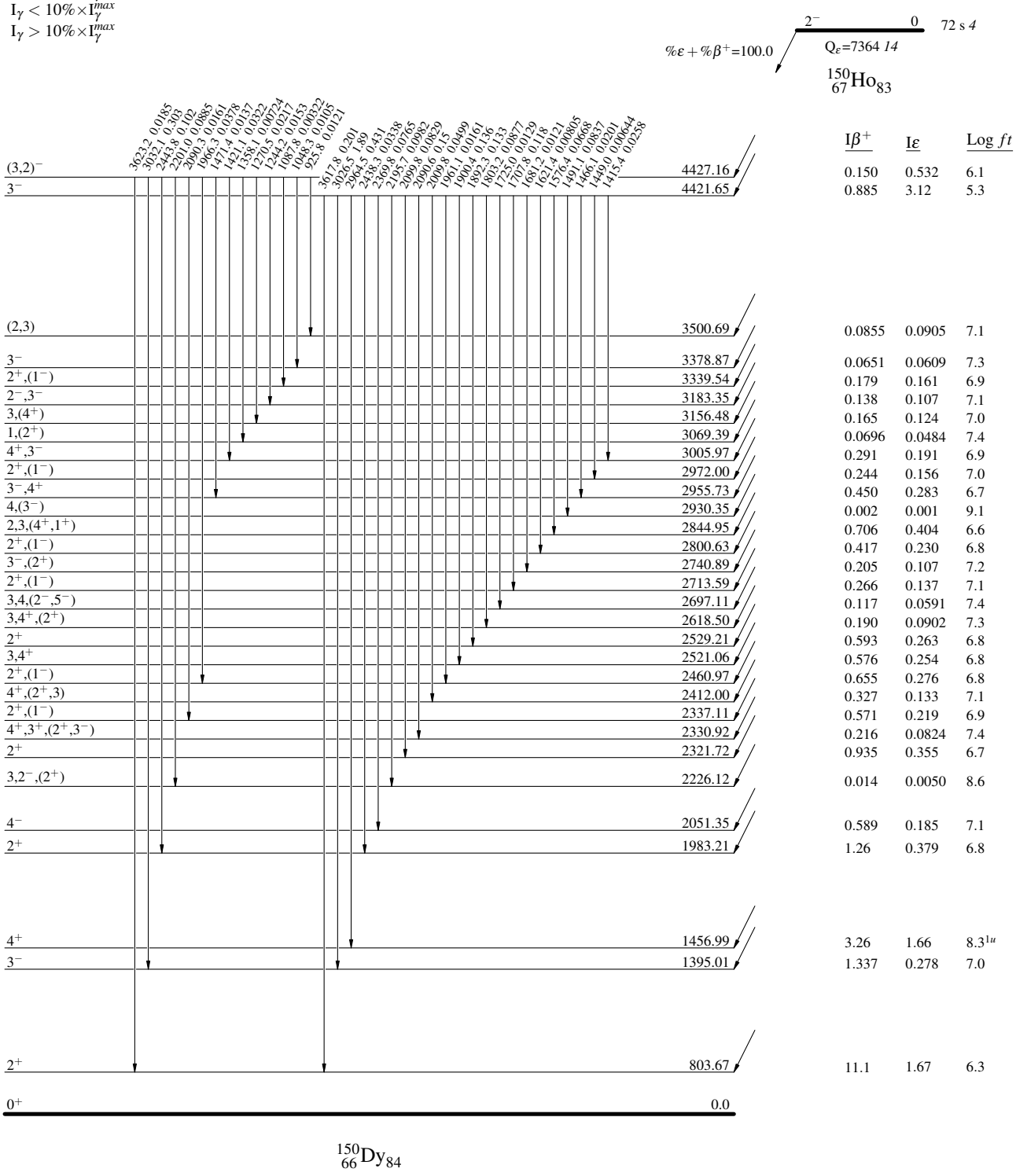
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

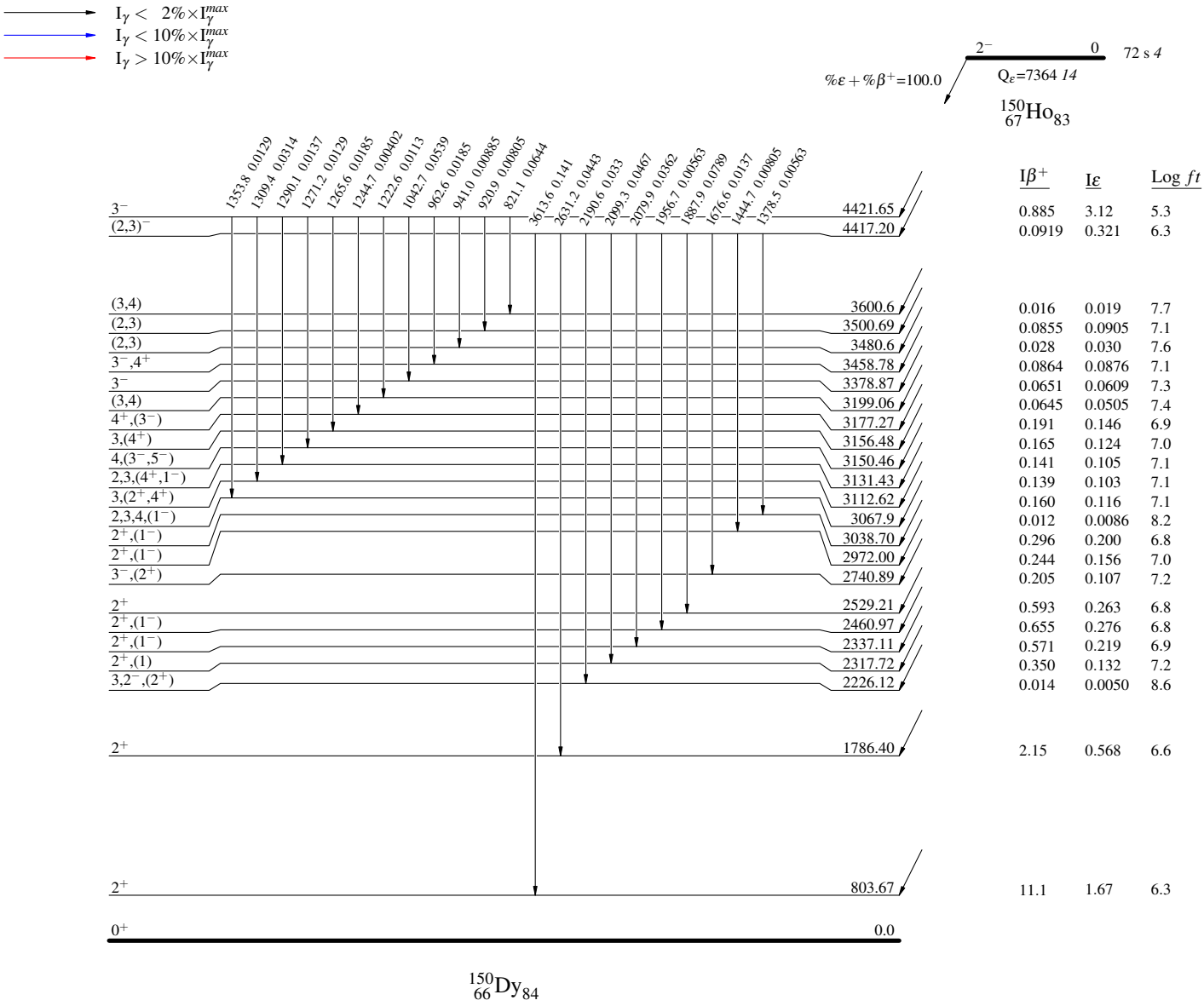
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



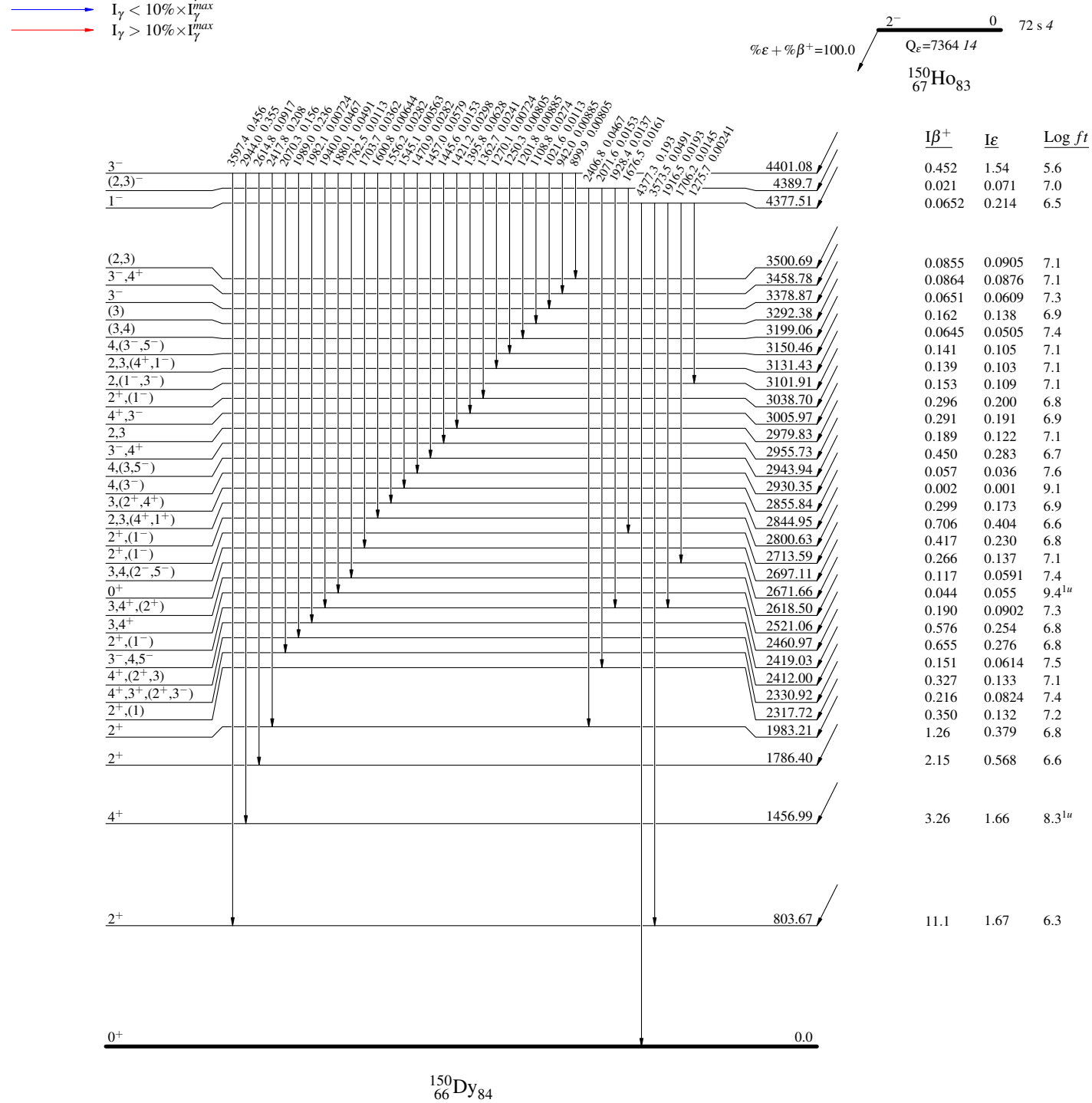
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
4401.08	0.452	1.54	5.6
4389.7	0.021	0.071	7.0
4377.51	0.0652	0.214	6.5
3500.69	0.0855	0.0905	7.1
3458.78	0.0864	0.0876	7.1
3378.87	0.0651	0.0609	7.3
3292.38	0.162	0.138	6.9
3199.06	0.0645	0.0505	7.4
3150.46	0.141	0.105	7.1
3131.43	0.139	0.103	7.1
3101.91	0.153	0.109	7.1
3038.70	0.296	0.200	6.8
3005.97	0.291	0.191	6.9
2979.83	0.189	0.122	7.1
2955.73	0.450	0.283	6.7
2943.94	0.057	0.036	7.6
2930.35	0.002	0.001	9.1
2855.84	0.299	0.173	6.9
2844.95	0.706	0.404	6.6
2800.63	0.417	0.230	6.8
2713.59	0.266	0.137	7.1
2697.11	0.117	0.0591	7.4
2671.66	0.044	0.055	9.4[1u]
2618.50	0.190	0.0902	7.3
2521.06	0.576	0.254	6.8
2460.97	0.655	0.276	6.8
2419.03	0.151	0.0614	7.5
2412.00	0.327	0.133	7.1
2330.92	0.216	0.0824	7.4
2317.72	0.350	0.132	7.2
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
803.67	11.1	1.67	6.3
0.0			

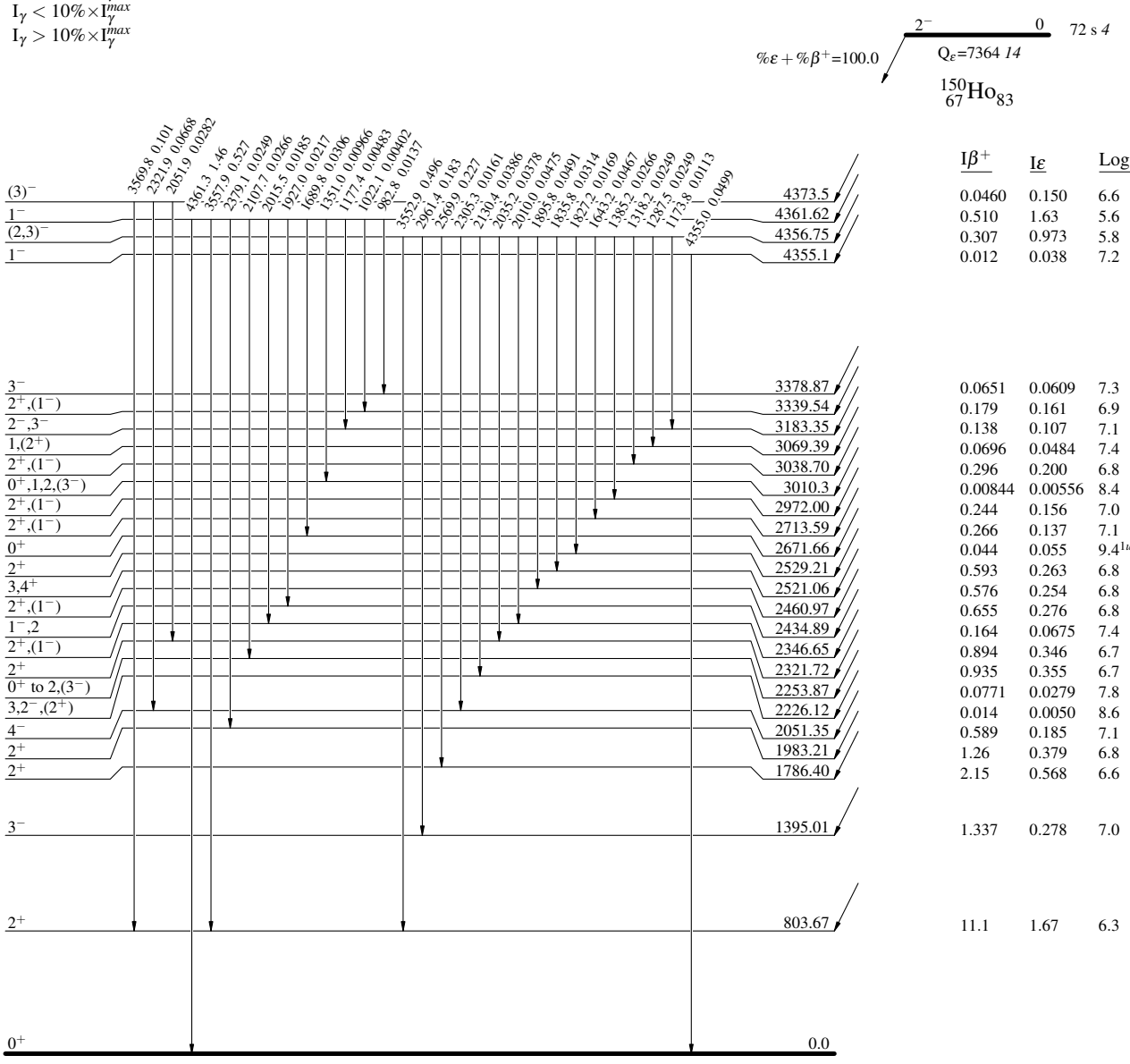
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
	0.0460	0.150	6.6
	0.510	1.63	5.6
	0.307	0.973	5.8
	0.012	0.038	7.2
	0.0651	0.0609	7.3
	0.179	0.161	6.9
	0.138	0.107	7.1
	0.0696	0.0484	7.4
	0.296	0.200	6.8
	0.00844	0.00556	8.4
	0.244	0.156	7.0
	0.266	0.137	7.1
	0.044	0.055	9.4[1u]
	0.593	0.263	6.8
	0.576	0.254	6.8
	0.655	0.276	6.8
	0.164	0.0675	7.4
	0.894	0.346	6.7
	0.935	0.355	6.7
	0.0771	0.0279	7.8
	0.014	0.0050	8.6
	0.589	0.185	7.1
	1.26	0.379	6.8
	2.15	0.568	6.6
	1.337	0.278	7.0
	11.1	1.67	6.3

$^{150}_{66}Dy_{84}$

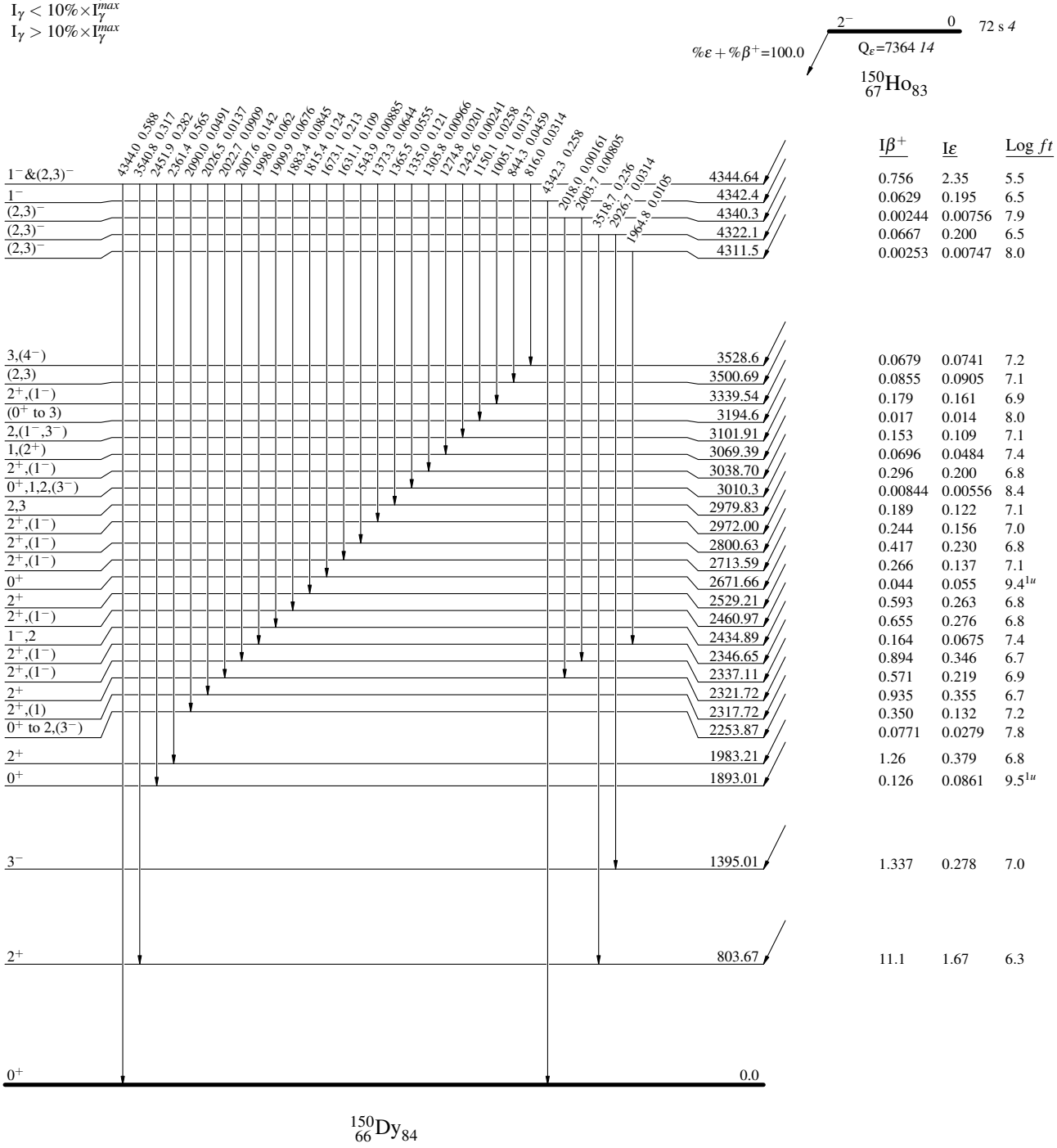
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
4344.64	0.756	2.35	5.5
4342.4	0.0629	0.195	6.5
4340.3	0.00244	0.00756	7.9
4322.1	0.0667	0.200	6.5
4311.5	0.00253	0.00747	8.0
3528.6	0.0679	0.0741	7.2
3500.69	0.0855	0.0905	7.1
3339.54	0.179	0.161	6.9
3194.6	0.017	0.014	8.0
3101.91	0.153	0.109	7.1
3069.39	0.0696	0.0484	7.4
3038.70	0.296	0.200	6.8
3010.3	0.00844	0.00556	8.4
2979.83	0.189	0.122	7.1
2972.00	0.244	0.156	7.0
2800.63	0.417	0.230	6.8
2713.59	0.266	0.137	7.1
2671.66	0.044	0.055	9.4[1u]
2529.21	0.593	0.263	6.8
2460.97	0.655	0.276	6.8
2434.89	0.164	0.0675	7.4
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
2321.72	0.935	0.355	6.7
2317.72	0.350	0.132	7.2
2253.87	0.0771	0.0279	7.8
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

$^{150}_{66}Dy_{84}$

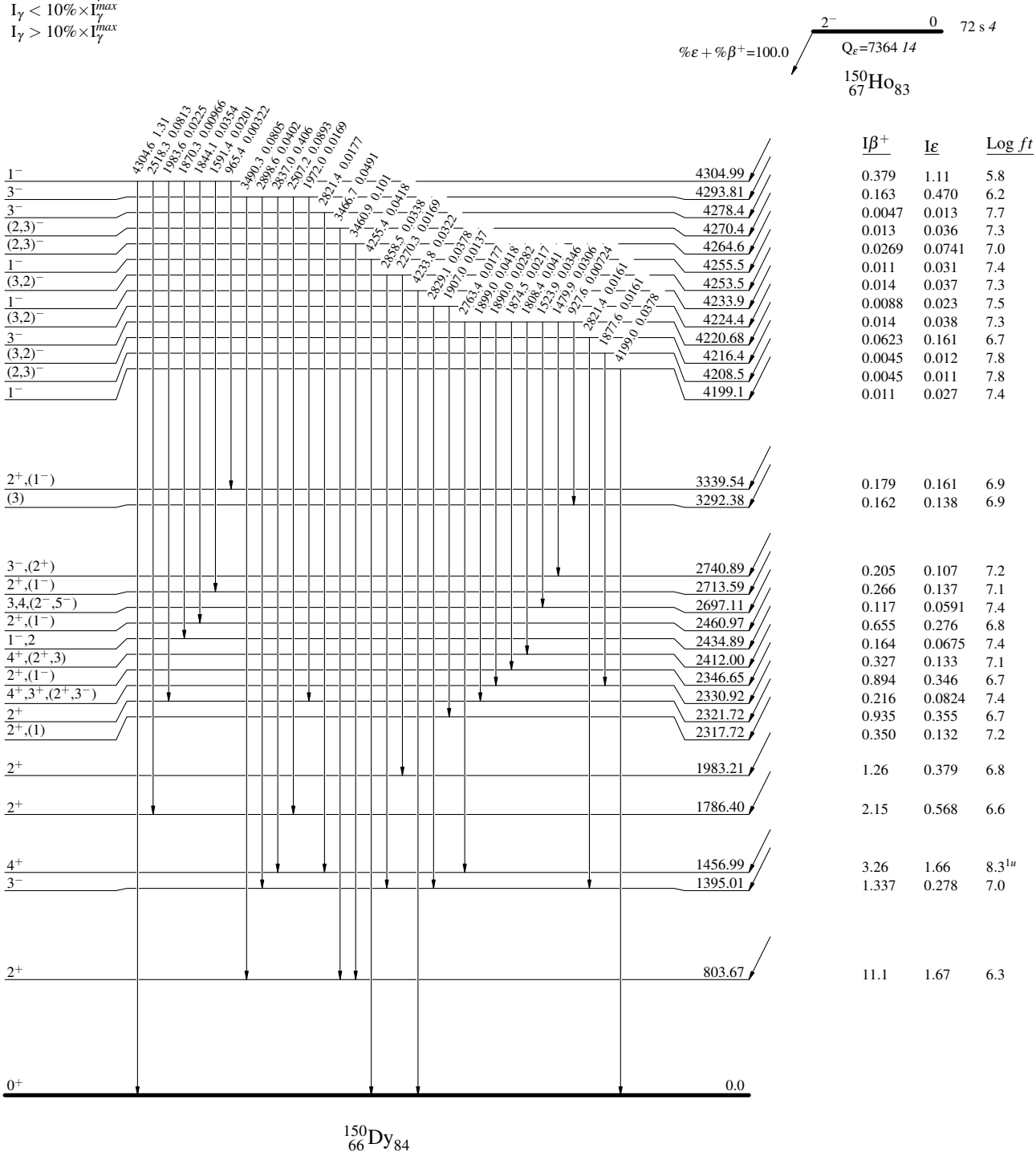
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
4304.99	0.379	1.11	5.8
4293.81	0.163	0.470	6.2
4278.4	0.0047	0.013	7.7
4270.4	0.013	0.036	7.3
4264.6	0.0269	0.0741	7.0
4255.5	0.011	0.031	7.4
4253.5	0.014	0.037	7.3
4233.9	0.0088	0.023	7.5
4224.4	0.014	0.038	7.3
4220.68	0.0623	0.161	6.7
4216.4	0.0045	0.012	7.8
4208.5	0.0045	0.011	7.8
4199.1	0.011	0.027	7.4
3339.54	0.179	0.161	6.9
3292.38	0.162	0.138	6.9
2740.89	0.205	0.107	7.2
2713.59	0.266	0.137	7.1
2697.11	0.117	0.0591	7.4
2460.97	0.655	0.276	6.8
2434.89	0.164	0.0675	7.4
2412.00	0.327	0.133	7.1
2346.65	0.894	0.346	6.7
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2317.72	0.350	0.132	7.2
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

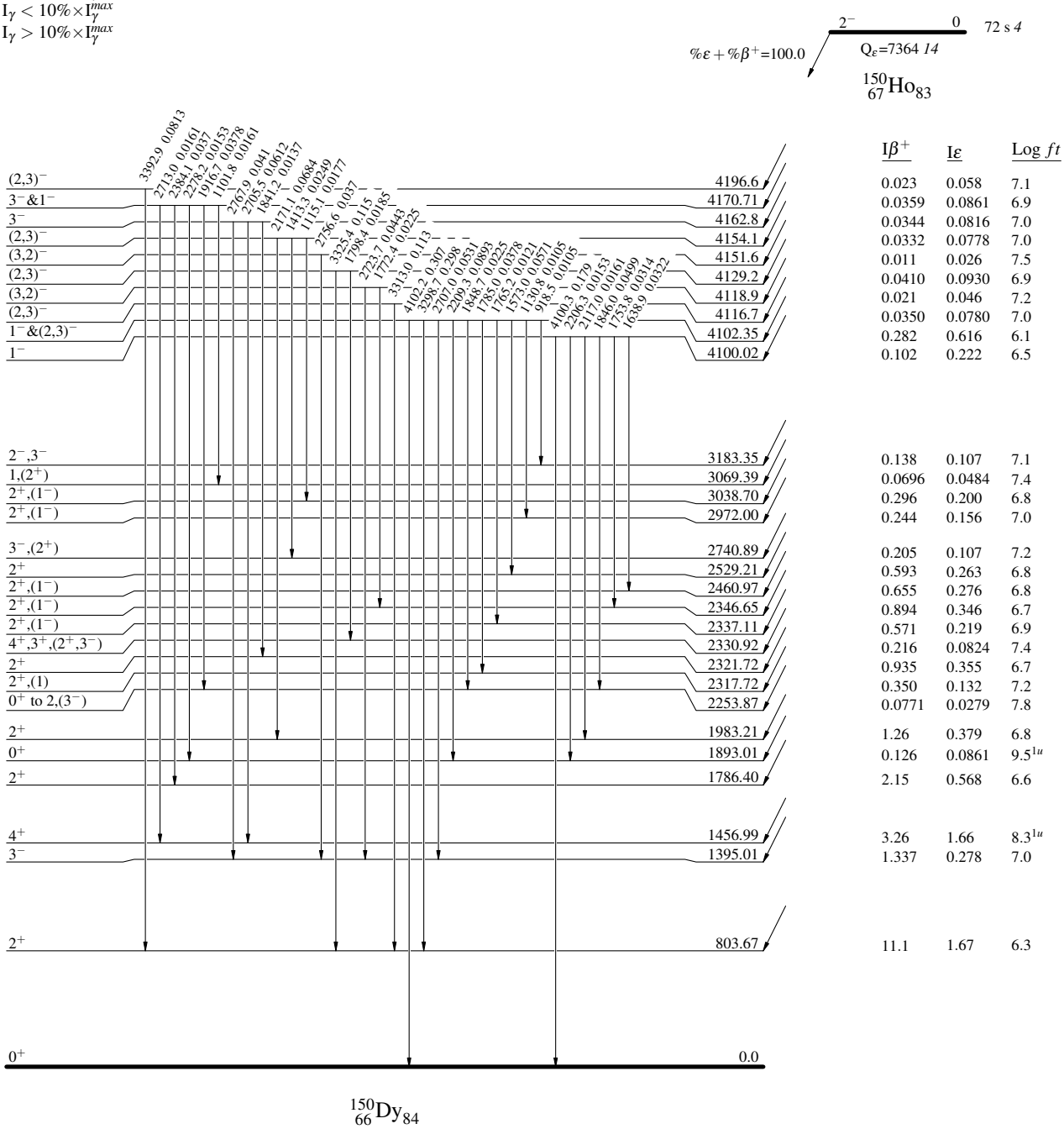
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
	0.023	0.058	7.1
	0.0359	0.0861	6.9
	0.0344	0.0816	7.0
	0.0332	0.0778	7.0
	0.011	0.026	7.5
	0.0410	0.0930	6.9
	0.021	0.046	7.2
	0.0350	0.0780	7.0
	0.282	0.616	6.1
	0.102	0.222	6.5
	0.138	0.107	7.1
	0.0696	0.0484	7.4
	0.296	0.200	6.8
	0.244	0.156	7.0
	0.205	0.107	7.2
	0.593	0.263	6.8
	0.655	0.276	6.8
	0.894	0.346	6.7
	0.571	0.219	6.9
	0.216	0.0824	7.4
	0.935	0.355	6.7
	0.350	0.132	7.2
	0.0771	0.0279	7.8
	1.26	0.379	6.8
	0.126	0.0861	9.5[1u]
	2.15	0.568	6.6
	3.26	1.66	8.3[1u]
	1.337	0.278	7.0
	11.1	1.67	6.3

^{150}Ho ε decay (72 s) 2003Al25

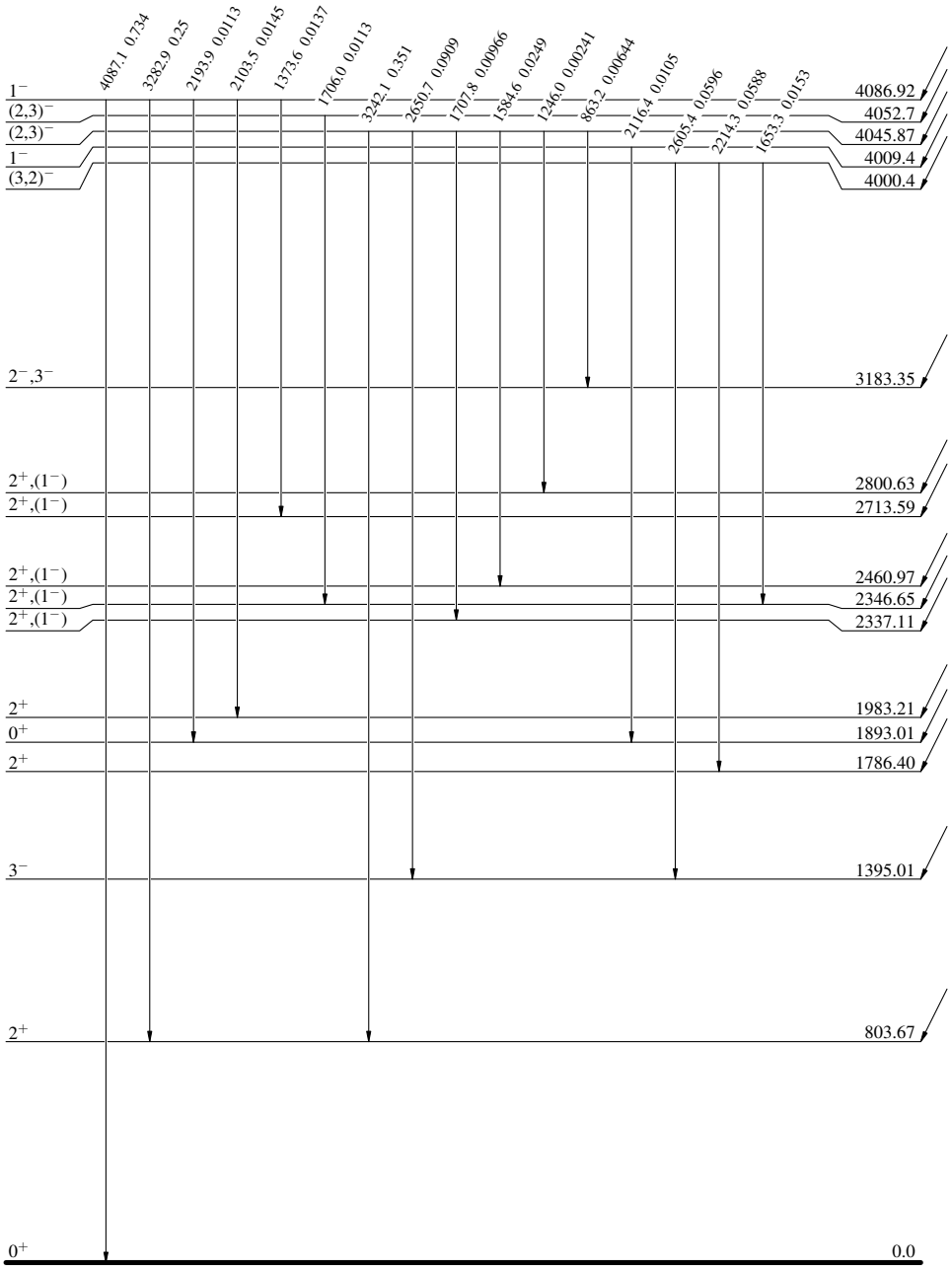
Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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

2^- 0 72 s *4*
$\%\varepsilon + \%\beta^+ = 100.0$ $Q_\varepsilon = 7364$ *14*
$^{150}_{67}Ho_{83}$



	Iβ⁺	Iε	Log *ft*
4086.92	0.325	0.695	6.1
4052.7	0.00362	0.00738	8.0
4045.87	0.161	0.324	6.4
4009.4	0.00342	0.00658	8.1
4000.4	0.0462	0.0878	7.0
3183.35	0.138	0.107	7.1
2800.63	0.417	0.230	6.8
2713.59	0.266	0.137	7.1
2460.97	0.655	0.276	6.8
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

$^{150}_{66}Dy_{84}$

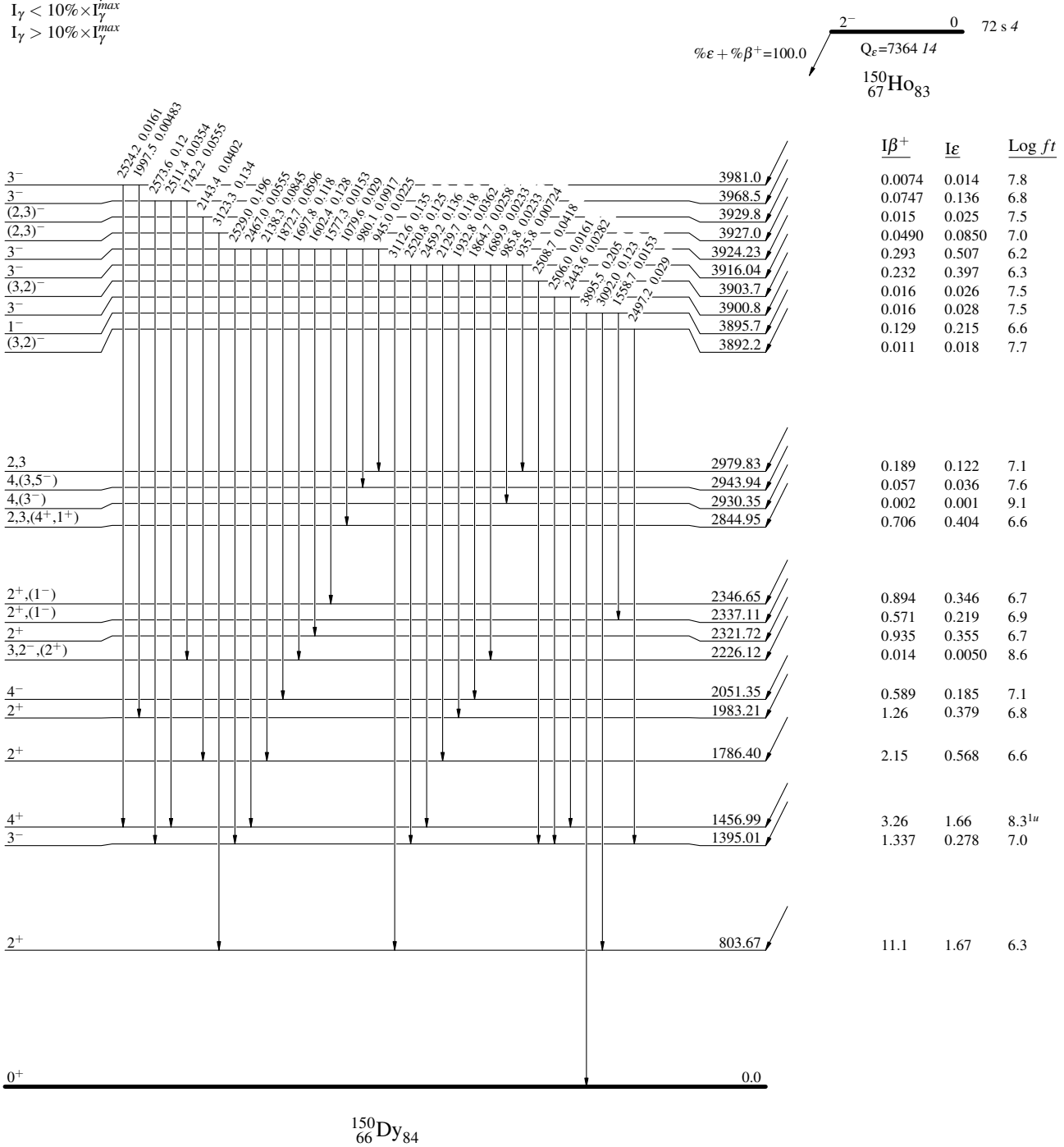
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



$^{150}_{66}Dy_{84}$

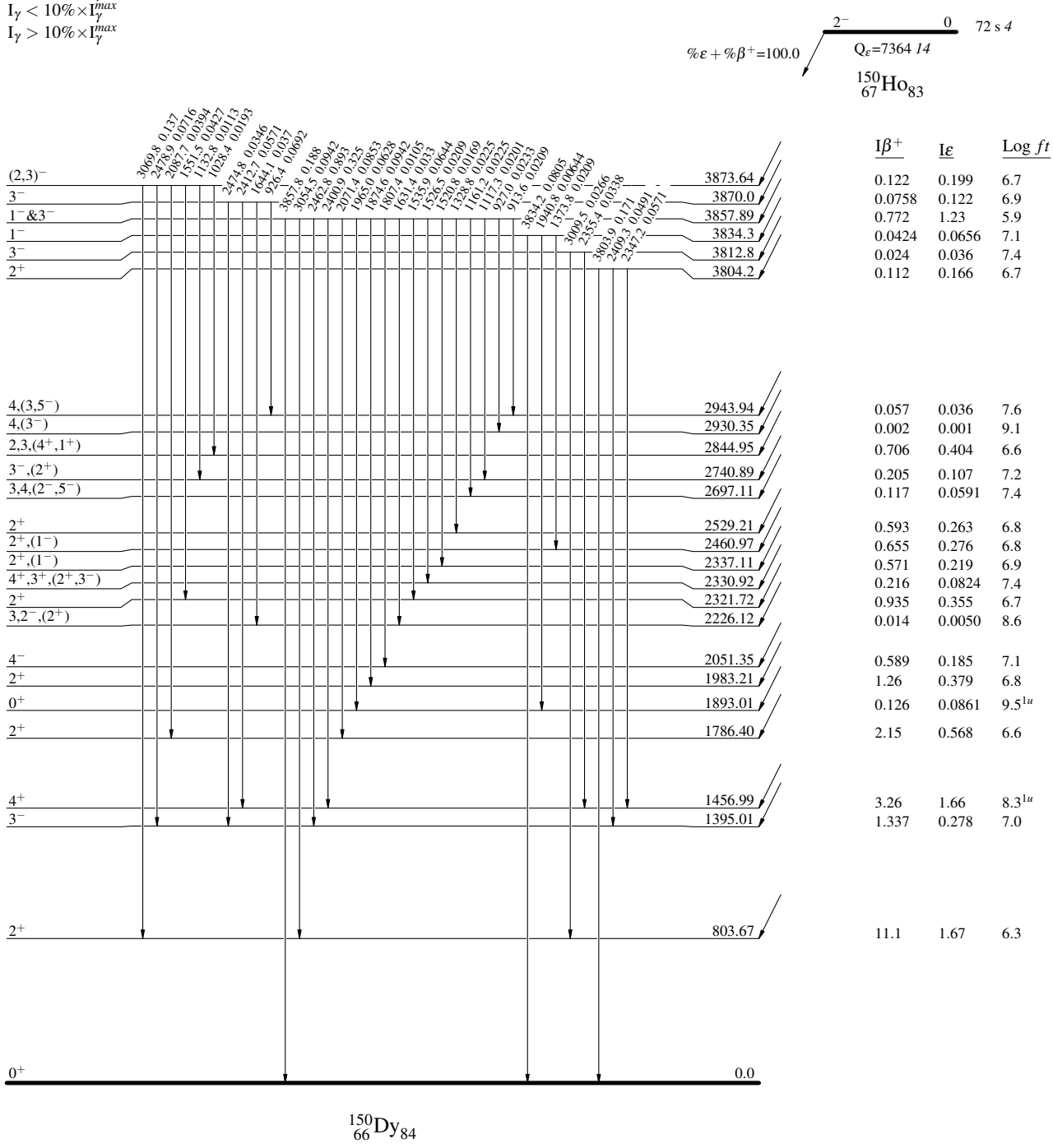
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
3873.64	0.122	0.199	6.7
3870.0	0.0758	0.122	6.9
3857.89	0.772	1.23	5.9
3834.3	0.0424	0.0656	7.1
3812.8	0.024	0.036	7.4
3804.2	0.112	0.166	6.7
2943.94	0.057	0.036	7.6
2930.35	0.002	0.001	9.1
2844.95	0.706	0.404	6.6
2740.89	0.205	0.107	7.2
2697.11	0.117	0.0591	7.4
2529.21	0.593	0.263	6.8
2460.97	0.655	0.276	6.8
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2226.12	0.014	0.0050	8.6
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3
0.0			

$^{150}_{66}Dy_{84}$

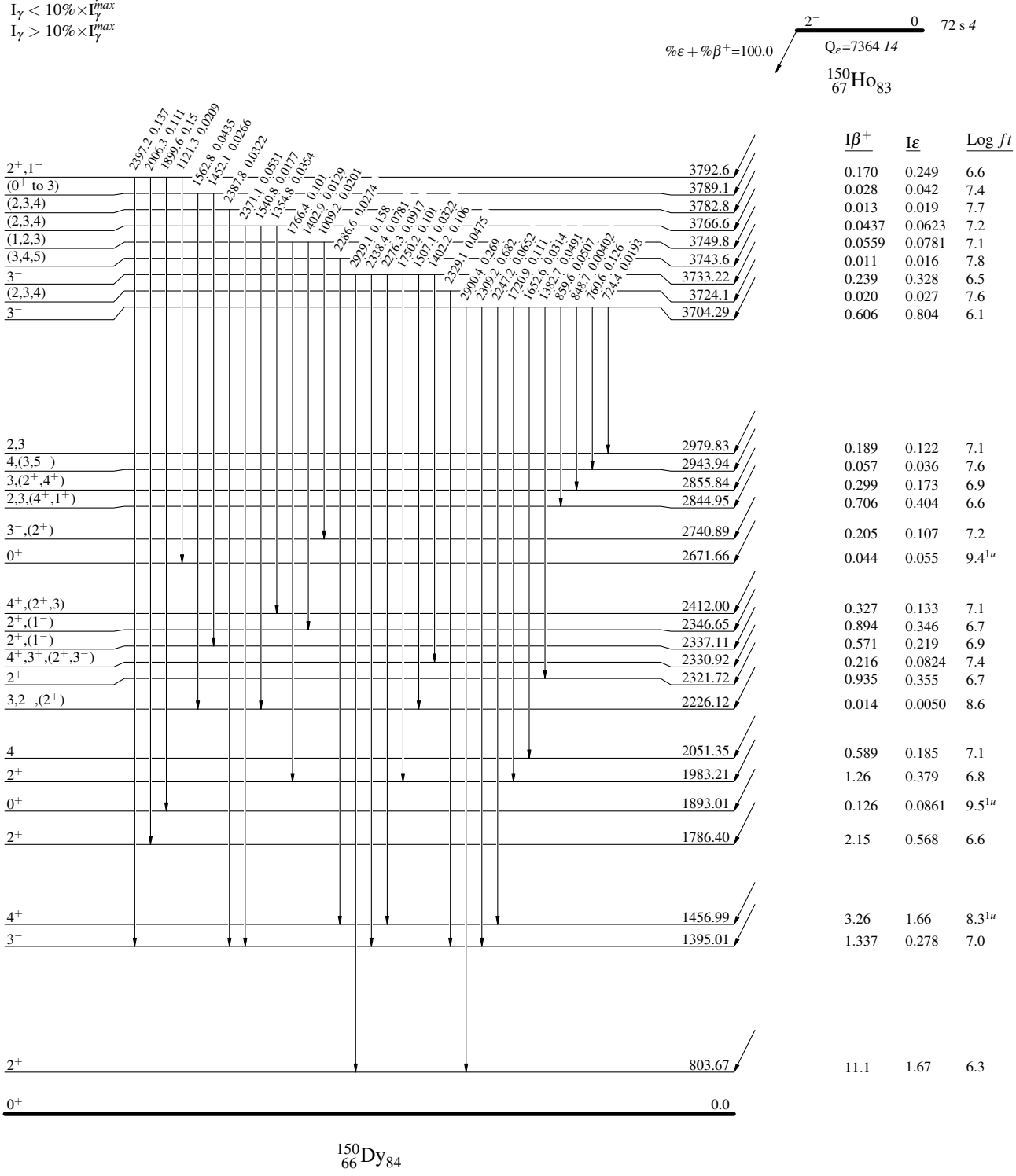
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
3792.6	0.170	0.249	6.6
3789.1	0.028	0.042	7.4
3782.8	0.013	0.019	7.7
3766.6	0.0437	0.0623	7.2
3749.8	0.0559	0.0781	7.1
3743.6	0.011	0.016	7.8
3733.22	0.239	0.328	6.5
3724.1	0.020	0.027	7.6
3704.29	0.606	0.804	6.1
2979.83	0.189	0.122	7.1
2943.94	0.057	0.036	7.6
2855.84	0.299	0.173	6.9
2844.95	0.706	0.404	6.6
2740.89	0.205	0.107	7.2
2671.66	0.044	0.055	9.4[1u]
2412.00	0.327	0.133	7.1
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2226.12	0.014	0.0050	8.6
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

$^{150}_{66}Dy_{84}$

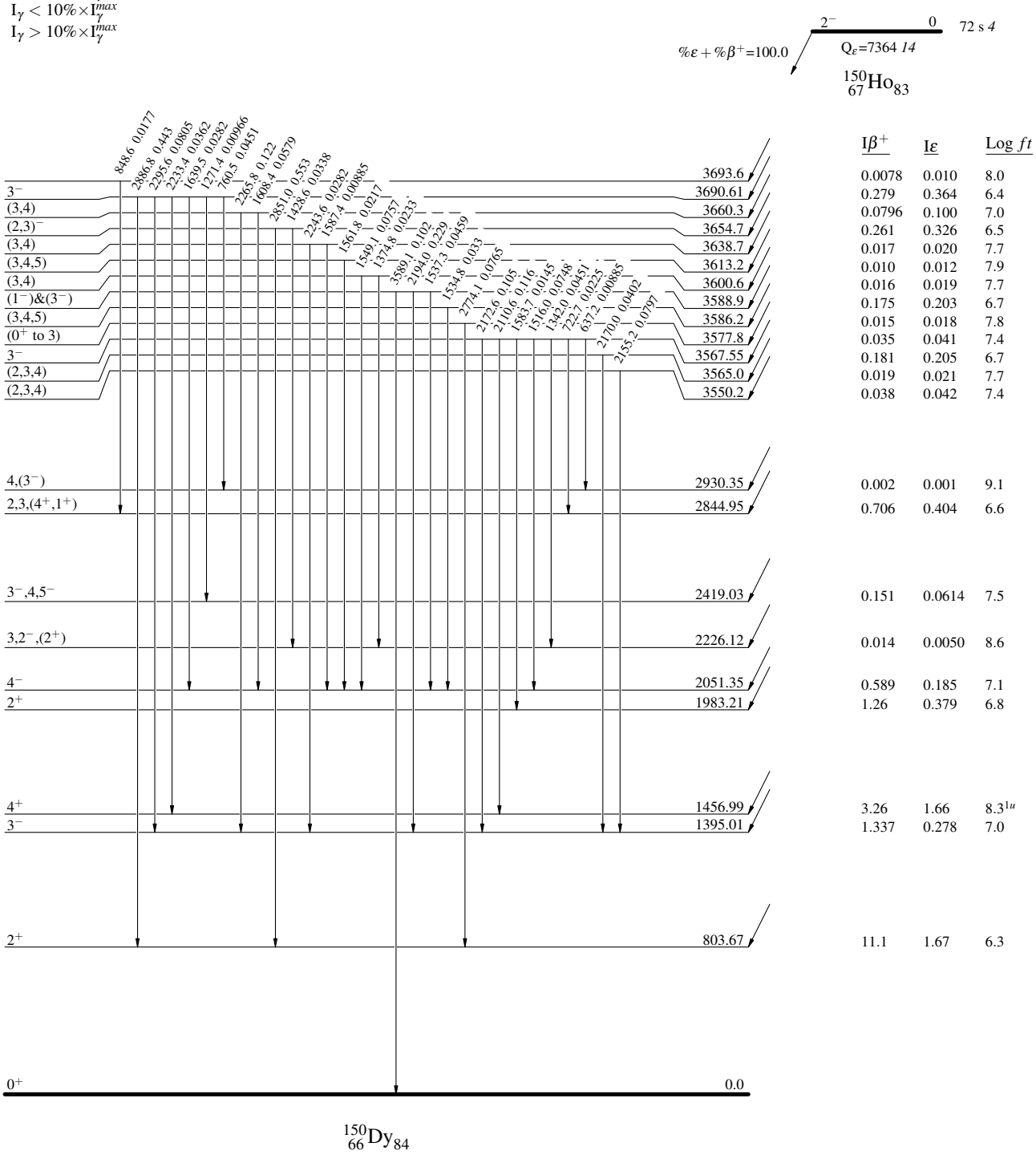
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
3693.6	0.0078	0.010	8.0
3690.61	0.279	0.364	6.4
3660.3	0.0796	0.100	7.0
3654.7	0.261	0.326	6.5
3638.7	0.017	0.020	7.7
3613.2	0.010	0.012	7.9
3600.6	0.016	0.019	7.7
3588.9	0.175	0.203	6.7
3586.2	0.015	0.018	7.8
3577.8	0.035	0.041	7.4
3567.55	0.181	0.205	6.7
3565.0	0.019	0.021	7.7
3550.2	0.038	0.042	7.4
2930.35	0.002	0.001	9.1
2844.95	0.706	0.404	6.6
2419.03	0.151	0.0614	7.5
2226.12	0.014	0.0050	8.6
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

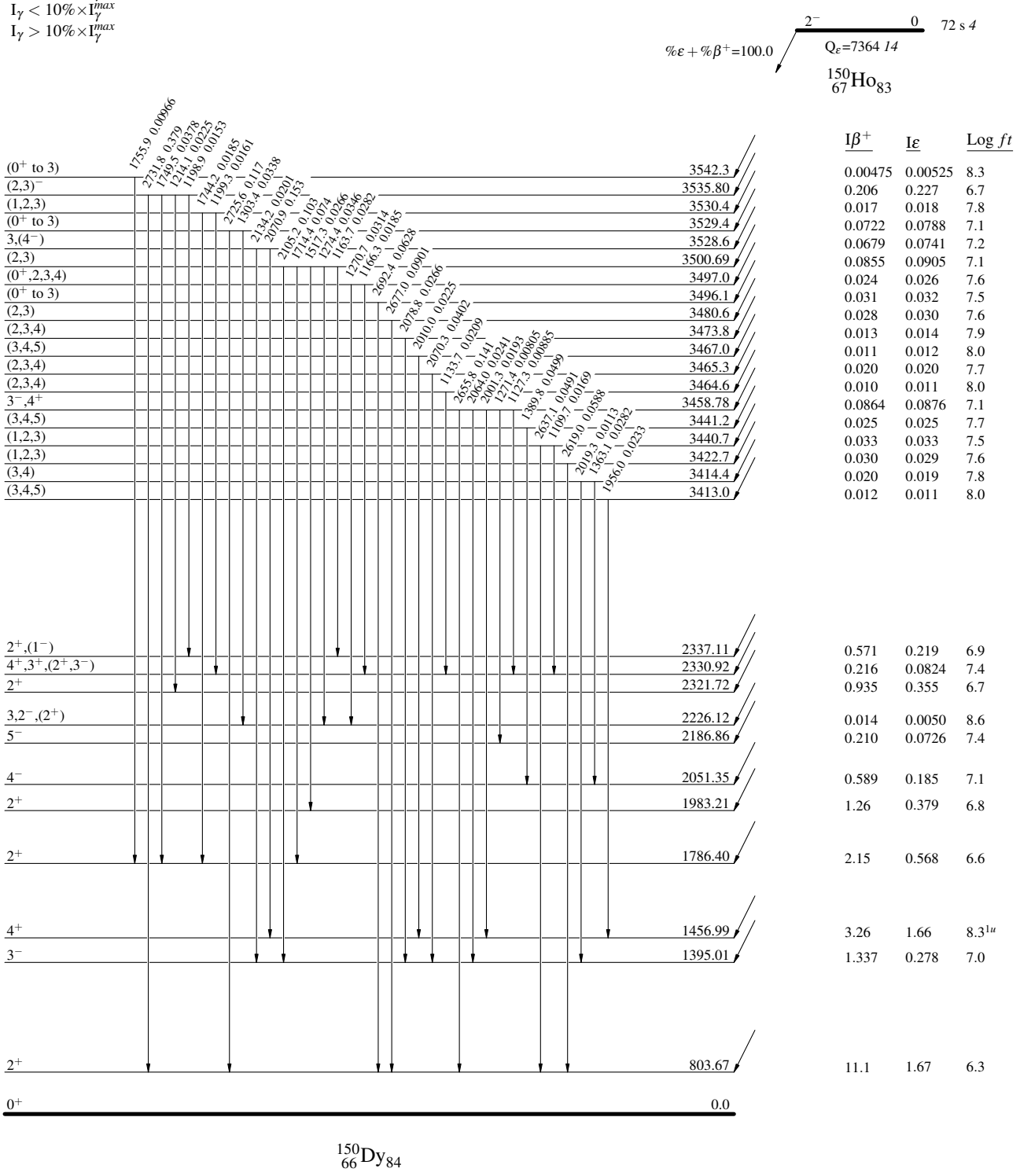
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
	0.00475	0.00525	8.3
	0.206	0.227	6.7
	0.017	0.018	7.8
	0.0722	0.0788	7.1
	0.0679	0.0741	7.2
	0.0855	0.0905	7.1
	0.024	0.026	7.6
	0.031	0.032	7.5
	0.028	0.030	7.6
	0.013	0.014	7.9
	0.011	0.012	8.0
	0.020	0.020	7.7
	0.010	0.011	8.0
	0.0864	0.0876	7.1
	0.025	0.025	7.7
	0.033	0.033	7.5
	0.030	0.029	7.6
	0.020	0.019	7.8
	0.012	0.011	8.0
	0.571	0.219	6.9
	0.216	0.0824	7.4
	0.935	0.355	6.7
	0.014	0.0050	8.6
	0.210	0.0726	7.4
	0.589	0.185	7.1
	1.26	0.379	6.8
	2.15	0.568	6.6
	3.26	1.66	8.3[1u]
	1.337	0.278	7.0
	11.1	1.67	6.3

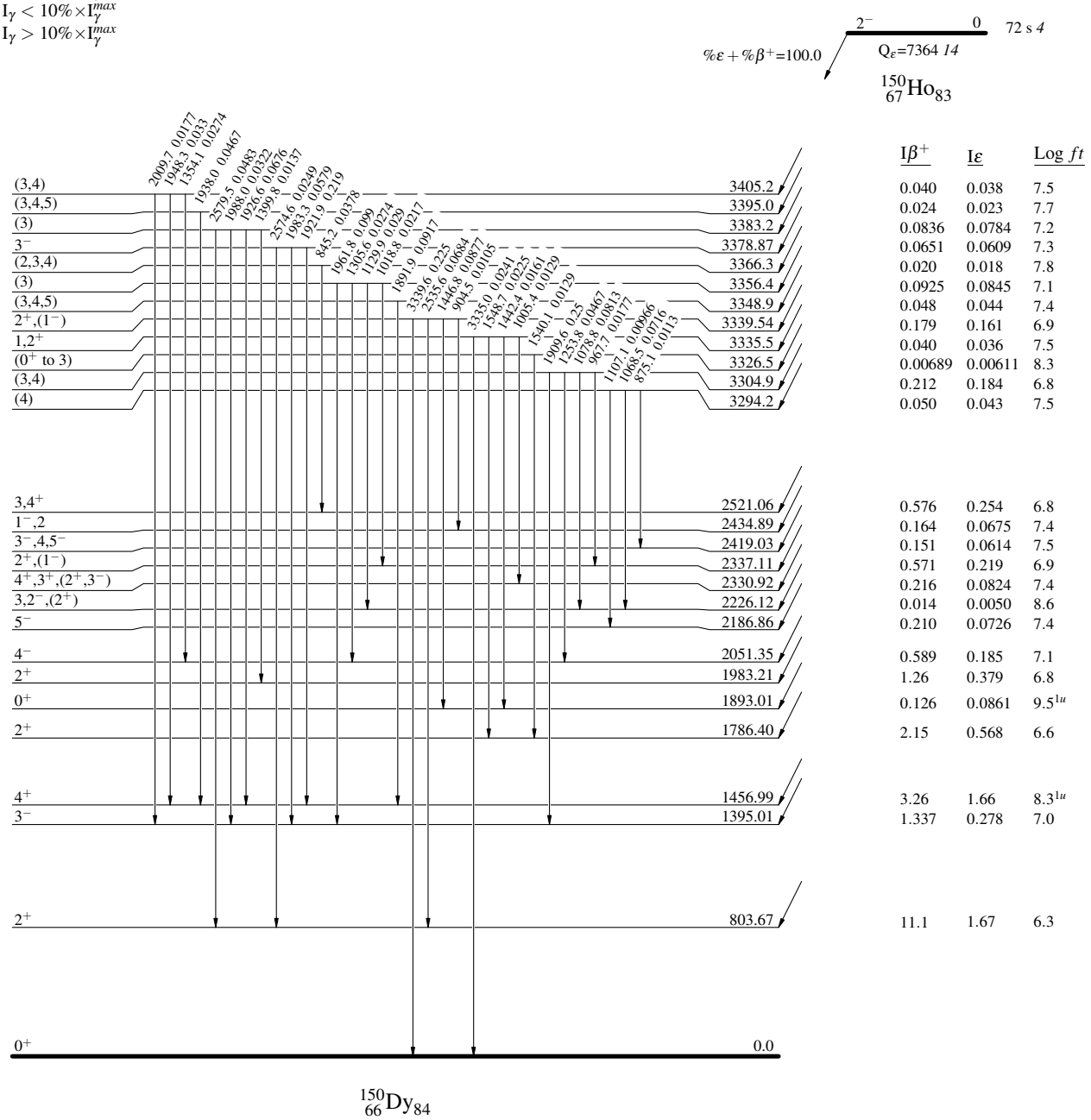
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
3405.2	0.040	0.038	7.5
3395.0	0.024	0.023	7.7
3383.2	0.0836	0.0784	7.2
3378.87	0.0651	0.0609	7.3
3366.3	0.020	0.018	7.8
3356.4	0.0925	0.0845	7.1
3348.9	0.048	0.044	7.4
3339.54	0.179	0.161	6.9
3335.5	0.040	0.036	7.5
3326.5	0.00689	0.00611	8.3
3304.9	0.212	0.184	6.8
3294.2	0.050	0.043	7.5
2521.06	0.576	0.254	6.8
2434.89	0.164	0.0675	7.4
2419.03	0.151	0.0614	7.5
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2226.12	0.014	0.0050	8.6
2186.86	0.210	0.0726	7.4
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

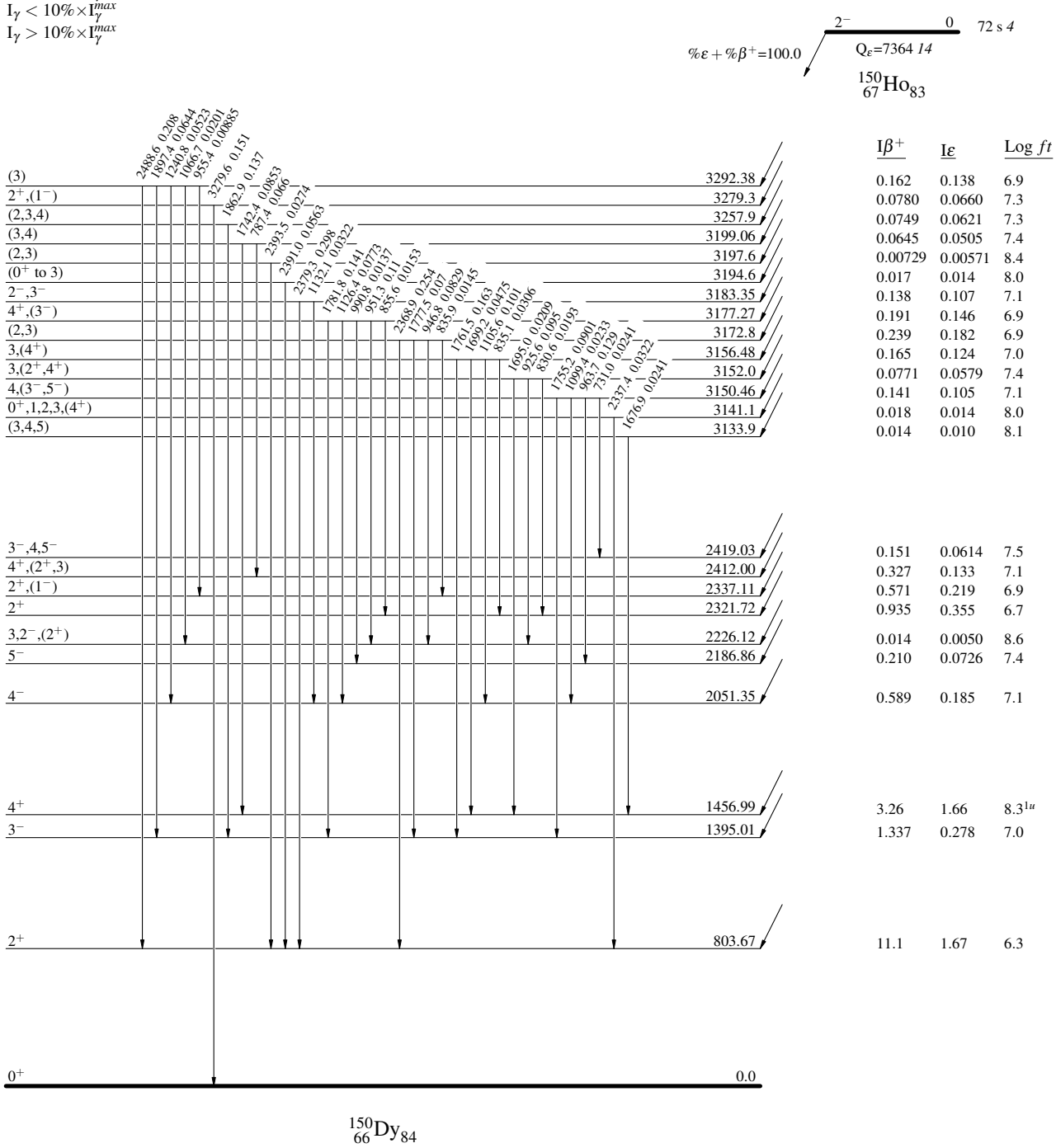
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



$^{150}_{66}Dy_{84}$

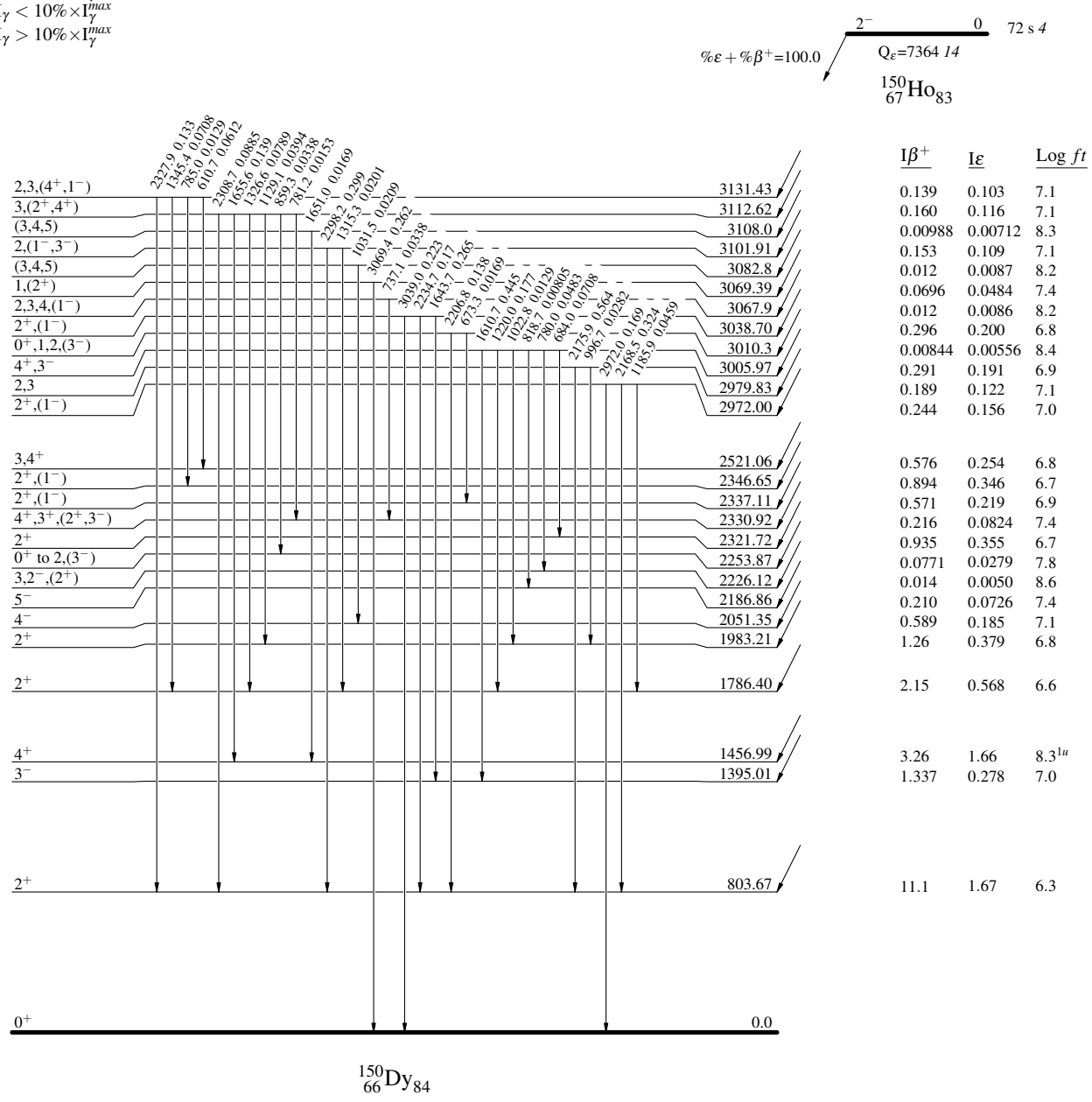
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
3131.43	0.139	0.103	7.1
3112.62	0.160	0.116	7.1
3108.0	0.00988	0.00712	8.3
3101.91	0.153	0.109	7.1
3082.8	0.012	0.0087	8.2
3069.39	0.0696	0.0484	7.4
3067.9	0.012	0.0086	8.2
3038.70	0.296	0.200	6.8
3010.3	0.00844	0.00556	8.4
3005.97	0.291	0.191	6.9
2979.83	0.189	0.122	7.1
2972.00	0.244	0.156	7.0
2521.06	0.576	0.254	6.8
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2253.87	0.0771	0.0279	7.8
2226.12	0.014	0.0050	8.6
2186.86	0.210	0.0726	7.4
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

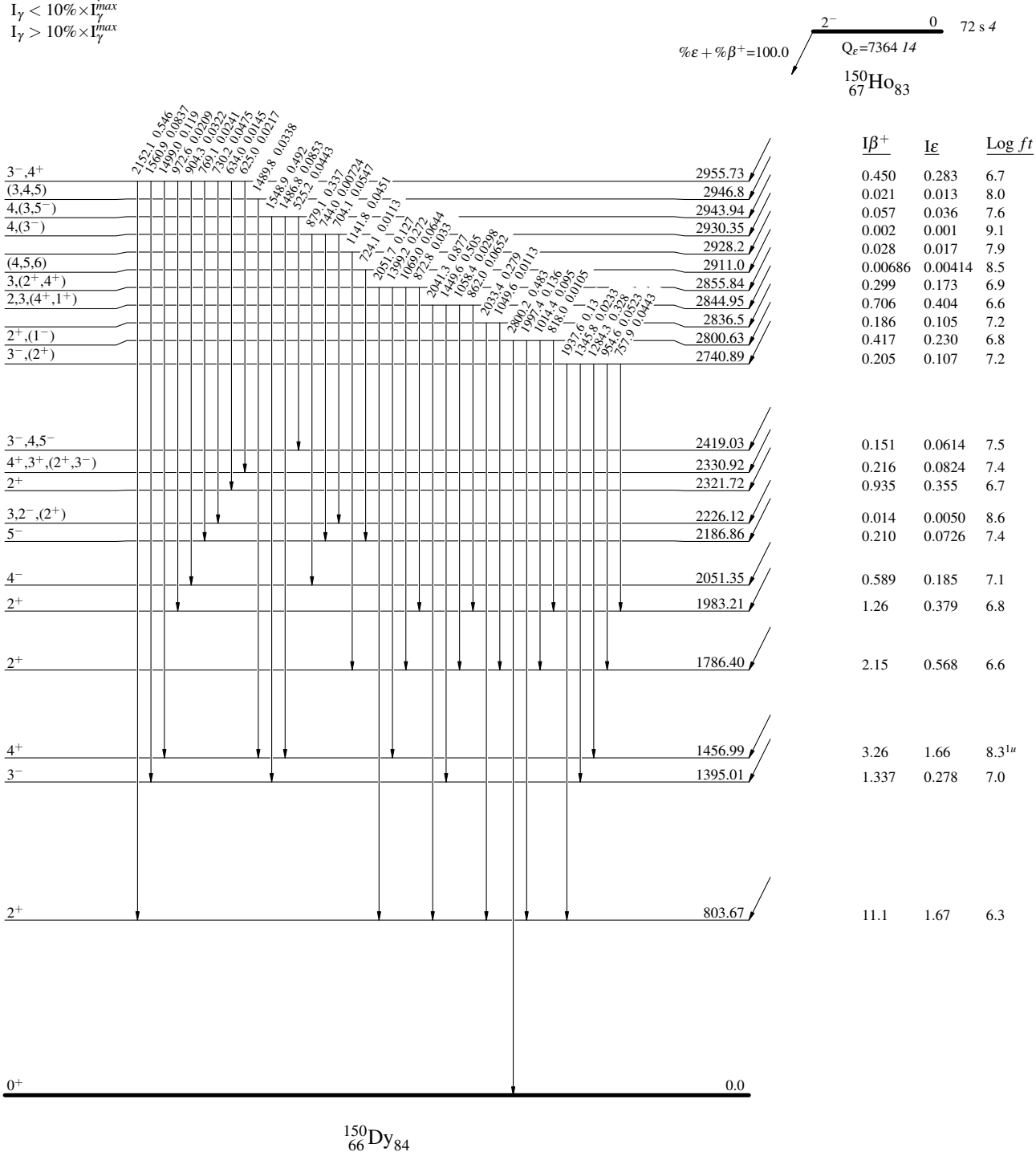
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
2955.73	0.450	0.283	6.7
2946.8	0.021	0.013	8.0
2943.94	0.057	0.036	7.6
2930.35	0.002	0.001	9.1
2928.2	0.028	0.017	7.9
2911.0	0.00686	0.00414	8.5
2855.84	0.299	0.173	6.9
2844.95	0.706	0.404	6.6
2836.5	0.186	0.105	7.2
2800.63	0.417	0.230	6.8
2740.89	0.205	0.107	7.2
2419.03	0.151	0.0614	7.5
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2226.12	0.014	0.0050	8.6
2186.86	0.210	0.0726	7.4
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

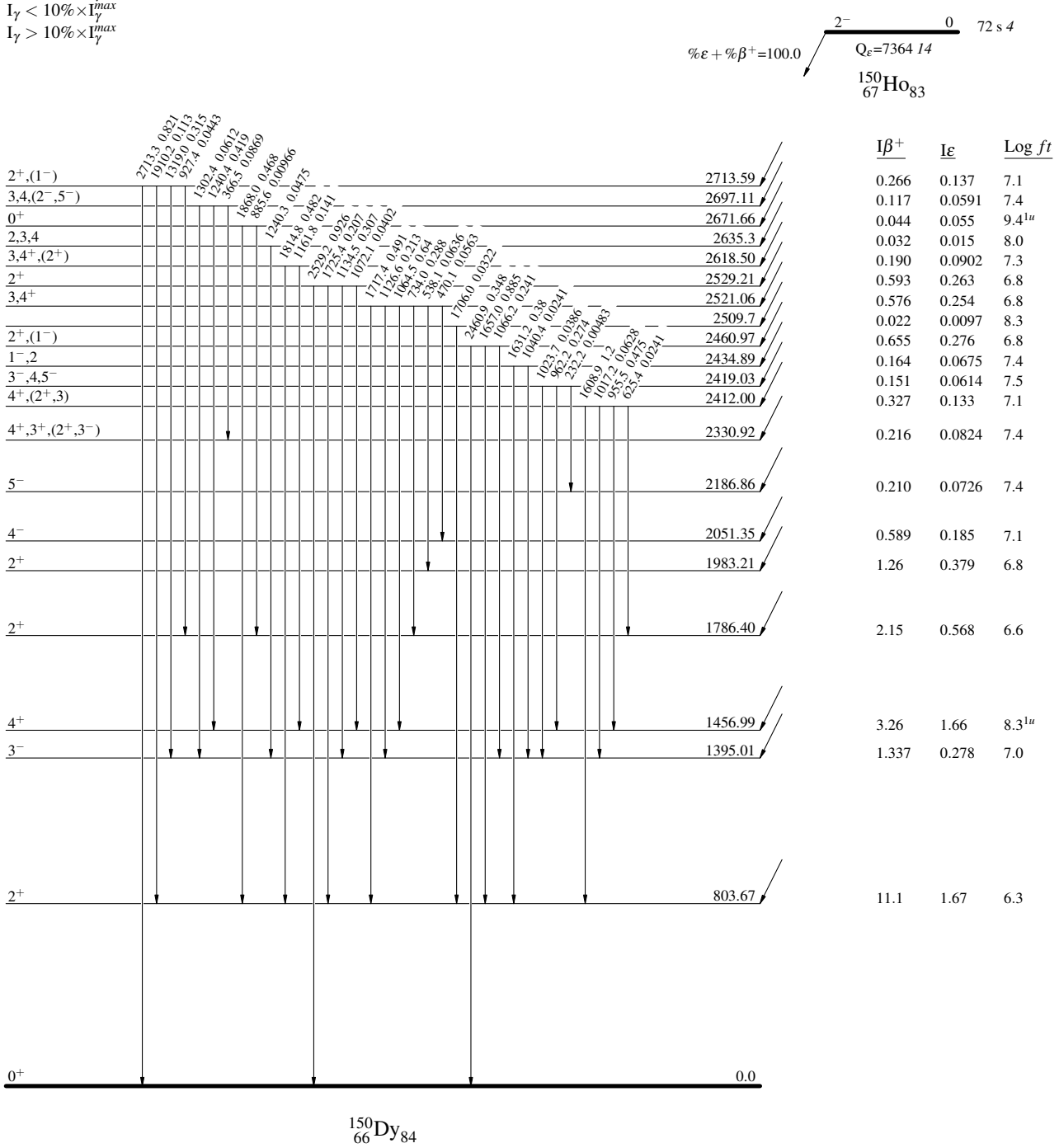
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ+	Iε	Log *ft*
2713.59	0.266	0.137	7.1
2697.11	0.117	0.0591	7.4
2671.66	0.044	0.055	9.4[1u]
2635.3	0.032	0.015	8.0
2618.50	0.190	0.0902	7.3
2529.21	0.593	0.263	6.8
2521.06	0.576	0.254	6.8
2509.7	0.022	0.0097	8.3
2460.97	0.655	0.276	6.8
2434.89	0.164	0.0675	7.4
2419.03	0.151	0.0614	7.5
2412.00	0.327	0.133	7.1
2330.92	0.216	0.0824	7.4
2186.86	0.210	0.0726	7.4
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

$^{150}_{66}Dy_{84}$

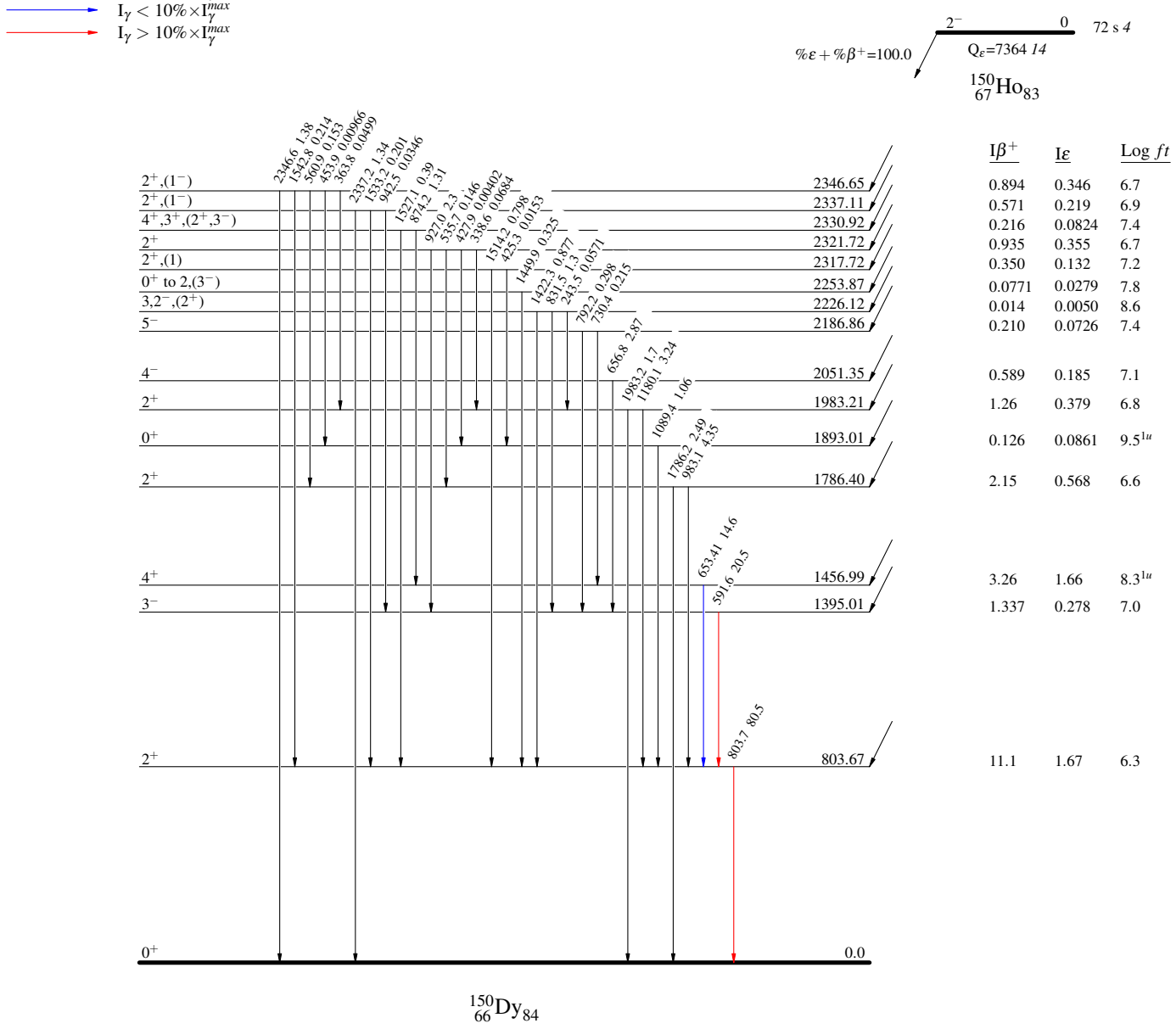
^{150}Ho ε decay (72 s) 2003Al25

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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



	Iβ⁺	Iε	Log *ft*
2346.65	0.894	0.346	6.7
2337.11	0.571	0.219	6.9
2330.92	0.216	0.0824	7.4
2321.72	0.935	0.355	6.7
2317.72	0.350	0.132	7.2
2253.87	0.0771	0.0279	7.8
2226.12	0.014	0.0050	8.6
2186.86	0.210	0.0726	7.4
2051.35	0.589	0.185	7.1
1983.21	1.26	0.379	6.8
1893.01	0.126	0.0861	9.5[1u]
1786.40	2.15	0.568	6.6
1456.99	3.26	1.66	8.3[1u]
1395.01	1.337	0.278	7.0
803.67	11.1	1.67	6.3

$^{150}_{66}Dy_{84}$