Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 160, 1 (2019)	21-Oct-2019

Q(β^-)=−3830 *18*; S(n)=9472 *19*; S(p)=2935 *19*; Q(α)=3159 *18* 2017Wa10
Q(ε)=3116 *17*; S(2n)=17170 *19*; S(2p)=9304 *19* 2017Wa10

^{155}Ho Levels

Band structures are those of 2015Re03 (in ^{124}Sn(^{37}Cl,6nγ) dataset).
Band 3 decays by E2 transitions to band 1, whence for band 3 π=+.
Band 5 decays by E2 transitions to band 3, whence for band 5 π=+.
Quasiparticle labeling scheme:
A: $\nu i_{13/2}$, α=+1/2.
B: $\nu i_{13/2}$, α=−1/2.
E: $\nu(f_{7/2}/h_{9/2})$, α=+1/2.
F: $\nu(f_{7/2}/h_{9/2})$, α=−1/2.
A_p: $\pi h_{11/2}$, $\alpha=-1/2^{-1}$.
B_p: $\pi h_{11/2}$, $\alpha=+1/2^{-1}$.
C_p: $\pi h_{11/2}$, $\alpha=-1/2^{-2}$.
D_p: $\pi h_{11/2}$, $\alpha=+1/2^{-2}$.
E_p: N_{osc}=4, α=−1/2.
F_p: N_{osc}=4, α=+1/2.
B(M1)/B(E2)=(1/1.43)[Iγ(M1)/Iγ(E2)][E$\gamma(\Delta J=2)^5$/E$\gamma(\Delta J=1)^3$], where Eγ is in MeV. The ΔJ=1 transitions were assumed to be pure dipole. Branching ratio Iγ(ΔJ=1)/Iγ(ΔJ=2) were determined separately from coincidence spectra with gates on relevant transitions.

Cross Reference (XREF) Flags

A ^{155}Er ε decay
B ^{124}Sn(^{37}Cl,6nγ)
C (HI,xnγ)

E(level)†	J$^\pi$‡	$T_{1/2}$	XREF	Comments
0.0#	5/2$^+$	48 min *2*	ABC	%ε+%β^+=100 μ=+3.51 *3*; Q=+1.56 *12* J$^\pi$: atomic beam (1969Ek01). M1 transition from 7/2$^+$ state indicates that π=+. Probable configuration=(π 5/2[402]). $T_{1/2}$: weighted average of: 48 min *2* (1972To07), 48 min *2* (1967Av03), 46 min *3* (1960Da14). Other measurements: 1966La11, 1959Ka08. μ: From the compilation 2014StZZ. Q: From the compilation 2016St14. From the measured hyperfine structure using resonance-ionization spectroscopy, 1989Al27 report $\Delta\langle r^2\rangle(^{155}Ho-^{165}Ho)=-0.949$ fm^2 *2*. In an evaluation of nuclear rms charge radii, 2013An02 report $\langle r^2\rangle^{1/2}$=5.1076 fm *326*.
110.14@ *6*	7/2$^+$	<0.7 ns	ABC	J$^\pi$: M2 from 11/2$^-$ level indicates J^π=7/2$^+$ through 15/2$^+$. M1 to g.s. requires J^π=7/2$^+$. $T_{1/2}$: from 1990AbZS, 1990AbZW, ^{155}Er ε decay.
141.87a *11*	11/2$^-$	0.88 ms *8*	ABC	%IT=100 J$^\pi$: M2-M1 cascade to J=5/2, together with the $T_{1/2}$ value of this state, indicate that J=11/2. Bandhead of h11/2-based band. The similarity of this low-energy level structure to that of the isotone ^{153}Tb supports the assertion that this is in fact the

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Adopted Levels, Gammas (continued)

^{155}Ho Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	XREF	Comments
			11/2$^-$ bandhead. $T_{1/2}$: from 1979Fo11, (HI,xnγ).
201.03 *9*	3/2$^+$,5/2$^+$,7/2$^+$	A	J$^{\pi}$: M1 to 5/2$^+$ state.
230.58[&] *15*	9/2$^-$	ABC	J$^{\pi}$: sole mode of population in in-beam studies is via an E2 transition from 13/2$^-$; decays via an M1 transition to an 11/2$^-$ state.
233.93 *8*	5/2$^-$,7/2$^-$	A	J$^{\pi}$: E1 transitions to 5/2$^+$ and 7/2$^+$ states.
241.50 *12*	7/2$^+$	A	J$^{\pi}$: 3/2$^+$,5/2$^+$,7/2$^+$ from M1 to 5/2$^+$; 3/2$^+$,5/2$^+$ less likely from γ from (11/2$^+$).
344.81[#] *16*	9/2$^+$	ABC	J$^{\pi}$: M1 to 7/2$^+$.
388.99 *13*		A	
418.96 *12*	$^-$	A	J$^{\pi}$: M1 to negative-parity state indicates π=−.
451.36 *22*	(7/2$^-$)	A	J$^{\pi}$: (7/2$^-$,9/2$^-$,11/2$^-$) from (M1) to 9/2$^-$; (9/2$^-$,11/2$^-$) less likely from γ to 5/2$^+$.
470.66 *17*		A	
518.71[a] *24*	15/2$^-$	BC	J$^{\pi}$: E2 in band to 11/2$^-$.
529.60 *14*		A	
538.16[&] *21*	13/2$^-$	BC	J$^{\pi}$: E2 in band to 9/2$^-$.
565.01[@] *23*	11/2$^+$	B	J$^{\pi}$: E2 in band to 7/2$^+$.
565.22 *23*	(11/2$^+$)	A	J$^{\pi}$: (11/2$^+$,13/2$^+$,15/2$^+$) from (M1+E2) from 13/2$^+$; (11/2$^+$) from γ to 7/2$^+$.
653.31 *16*		A	
683.18 *25*		A	
817.27[#] *23*	13/2$^+$	B	J$^{\pi}$: E2 in band to 9/2$^+$.
1001.55[&] *24*	17/2$^-$	BC	J$^{\pi}$: E2 in band to 13/2$^-$.
1017.4[a] *3*	19/2$^-$	BC	J$^{\pi}$: E2 in band to 15/2$^-$.
1080.18[@] *25*	15/2$^+$	B	J$^{\pi}$: E2 in band to 11/2$^+$.
1361.9[#] *3*	17/2$^+$	B	J$^{\pi}$: E2 in band to 13/2$^+$.
1561.2[&] *3*	21/2$^-$	BC	J$^{\pi}$: E2 in band to 17/2$^-$.
1605.2[a] *3*	23/2$^-$	BC	J$^{\pi}$: E2 in band to 19/2$^-$.
1646.99 *25*	19/2$^+$	BC	J$^{\pi}$: E2 from to 23/2$^+$.
1669.4[@] *3*	19/2$^+$	B	J$^{\pi}$: in band to 15/2$^+$.
1973.0[#] *4*	21/2$^+$	B	J$^{\pi}$: E2 in band to 17/2$^+$.
2129.3[c] *3*	23/2$^+$	BC	J$^{\pi}$: E2 to 19/2$^+$, bandhead.
2189.3[&] *3*	25/2$^-$	BC	J$^{\pi}$: E2 in band to 21/2$^-$.
2265.4[a] *4*	27/2$^-$	BC	J$^{\pi}$: E2 in band to 23/2$^-$.
2297.1[@] *5*	23/2$^+$	B	J$^{\pi}$: E2 in band to 19/2$^+$.
2464.4[c] *4*	27/2$^+$	BC	J$^{\pi}$: E2 in band to 23/2$^+$.
2616.8[#] *5*	(25/2$^+$)	B	J$^{\pi}$: in band γ to 21/2$^+$.
2643.8[d] *4*	(27/2$^+$)	BC	J$^{\pi}$: E2 in band from (31/2$^+$), bandhead.
2729.9[b] *4*	29/2$^{(+)}$	BC	J$^{\pi}$: D(+Q) inter band to 27/2$^+$, bandhead of α=+1/2, π=(+) inferred from π=+ of α=−1/2 partner band.
2858.8[&] *4*	29/2$^-$	BC	J$^{\pi}$: E2 in band to 25/2$^-$.
2876.8 *4*	(29/2$^+$)	B	level pertaining possibly to the signature partner of band 4 (2015Re03).
2917.4[c] *4*	31/2$^+$	BC	J$^{\pi}$: E2 in band to 27/2$^+$.
2935.3[@] *6*	(27/2$^+$)	B	J$^{\pi}$: in band to 23/2$^+$.
2978.0[a] *4*	31/2$^-$	BC	J$^{\pi}$: E2 in band to 27/2$^-$.
3064.7[d] *4*	(31/2$^+$)	BC	J$^{\pi}$: inter band (M1+E2) to 29/2$^+$ and band member.
3262.6[b] *4*	33/2$^{(+)}$	BC	J$^{\pi}$: D inter band to 31/2$^+$, π=(+) inferred as α=+1/2 partner of π=+, α=−1/2 band.
3264.9[#] *6*	(29/2$^+$)	B	J$^{\pi}$: in band γ to (25/2$^+$).
3399.6[&] *4*	33/2$^-$	BC	J$^{\pi}$: E2 in band to 29/2$^-$.
3489.7[c] *4*	35/2$^+$	BC	J$^{\pi}$: E2 in band to 31/2$^+$.
3651.3[a] *5*	35/2$^-$	BC	J$^{\pi}$: E2 in band to 31/2$^-$.

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Adopted Levels, Gammas (continued)

^{155}Ho Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
3657.6[d] 4	(35/2+)	BC	Jπ: inter band (M1+E2) to 33/2+ and band member.
3834.2?[#] 12	(33/2+)	B	Jπ: in band γ to (29/2+).
3838.4[b] 4	37/2(+)	BC	Jπ: E2 in band to 33/2(+).
3905.9[&] 5	37/2−	BC	Jπ: E2 in band to 33/2−.
4120.3[c] 5	39/2+	BC	Jπ: E2 in band to 35/2+.
4211.2[a] 5	39/2−	BC	Jπ: D(+Q) inter band to 37/2− and band member.
4278.4[d] 5	(39/2+)	BC	Jπ: D inter band from 41/2(+) and in band γ to (35/2+).
4489.3[b] 5	41/2(+)	BC	Jπ: E2 in band to 37/2(+).
4493.8[&] 5	41/2−	BC	Jπ: E2 in band to 37/2−.
4601.4 5	41/2(+)	BC	Jπ: E2 from 45/2(+) band to 43/2−.
4837.9[a] 5	43/2−	BC	Jπ: E2 in band to 39/2−.
4875.5[c] 5	43/2+	BC	Jπ: E2 in band to 39/2+.
5135.8 5	(41/2+)	B	Jπ: D(+Q) to 39/2+.
5167.3[&] 5	45/2−	BC	Jπ: D inter band to 43/2− and band member.
5214.6[b] 5	45/2(+)	BC	Jπ: E2 in band to 41/2(+).
5392.3[e] 5	45/2(+)	BC	Jπ: E2 to 41/2(+), bandhead.
5546.8[a] 5	47/2−	BC	Jπ: E2 in band to 43/2−.
5710.2[c] 5	47/2+	BC	Jπ: E2 in band to 43/2+.
5786.5 6	(45/2+)	B	Jπ: γ's from 49/2(+) and to (41/2+) respectively.
5932.6[&] 5	49/2−	BC	Jπ: E2 in band to 45/2−.
6057.5[b] 5	49/2(+)	BC	Jπ: E2 in band to 45/2(+).
6168.2[e] 5	49/2(+)	BC	Jπ: E2 in band to 45/2(+).
6341.7[a] 5	51/2−	BC	Jπ: E2 in band to 47/2−.
6576.0[h] 7	(51/2−)	B	Jπ: in band γ from (55/2−), bandhead.
6617.1[c] 5	51/2+	B	Jπ: E2 in band to 47/2+.
6773.9[&] 5	53/2−	BC	Jπ: E2 in band to 49/2−.
6843.5[e] 5	53/2(+)	BC	Jπ: E2 in band to 49/2(+).
6952.6[b] 5	53/2(+)	B	Jπ: E2 in band to 49/2(+).
7194.5[a] 5	55/2−	BC	Jπ: E2 in band to 51/2−.
7292.1[e] 5	57/2(+)	BC	Jπ: E2 in band to 53/2(+).
7421.0[h] 6	(55/2−)	B	Jπ: in band γ from (59/2−).
7535.6[c] 6	55/2+	B	Jπ: E2 in band to 51/2+.
7680.1[&] 5	57/2−	BC	Jπ: E2 in band to 53/2−.
7711.2 5	57/2−	B	Jπ: E2 to 53/2−.
7820.3[b] 5	57/2(+)	B	Jπ: E2 in band to 53/2(+).
8053.9[a] 5	59/2−	B	Jπ: E2 in band to 55/2−.
8222.1[e] 5	61/2(+)	BC	Jπ: E2 in band to 57/2(+).
8240.9 5	59/2	BC	Jπ: D(+Q) from 61/2− and D to 57/2(+).
8273.6[h] 6	(59/2−)	B	Jπ: in band γ from (55/2−).
8387.4[g] 5	61/2(+)	B	Jπ: E2 to 57/2(+), bandhead.
8486.6 5	61/2−	BC	Jπ: E2 to 57/2−.
8515.5[&] 5	61/2−	BC	Jπ: E2 in band to 57/2−.
8742.1[h] 5	(63/2−)	B	Jπ: E2 in band from (67/2−).
8905.5 6	65/2−	B	Jπ: E2 to 61/2−.
8924.5[a] 6	63/2−	B	Jπ: (M1+E2) inter band to 61/2− and in band γ to 59/2−.
9086.9[e] 6	65/2(+)	B	Jπ: E2 in band to 61/2(+).
9279.4[g] 6	65/2(+)	B	Jπ: E2 in band to 61/2(+).
9430.5 6	65/2(+)	B	Jπ: E2 to 61/2(+).

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Adopted Levels, Gammas (continued)

^{155}Ho Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	XREF	Comments
9543.7[h] 6	(67/2$^-$)	B	J$^{\pi}$: (M1+E2) to 65/2$^-$.
9617.7[&] 6	65/2$^-$	B	J$^{\pi}$: E2 in band to 61/2$^-$.
9649.3[i] 6	(67/2)	B	J$^{\pi}$: D+Q to 65/2$^-$.
9668.0[f] 6	67/2	B	J$^{\pi}$: D(+Q) to 65/2$^{(+)}$, bandhead.
9958.4[a] 6	67/2$^-$	B	J$^{\pi}$: E2 in band to 63/2$^-$.
10177.6[g] 6	69/2$^{(+)}$	B	J$^{\pi}$: E2 in band to 65/2$^{(+)}$.
10290.3[f] 6	71/2	B	J$^{\pi}$: E2 in band to 67/2.
10422.7[h] 6	(71/2$^-$)	B	J$^{\pi}$: E2 in band to (67/2$^-$).
10519.9[&] 7	69/2$^-$	B	J$^{\pi}$: E2 in band to 65/2$^-$.
10735.6[i] 7	71/2	B	J$^{\pi}$: E2 in band to 67/2.
10858.5[a] 7	(71/2$^-$)	B	J$^{\pi}$: in band γ to 67/2$^-$.
11036.2[h] 7	(75/2$^-$)	B	J$^{\pi}$: E2 in band to (71/2$^-$).
11159.9[g] 6	(73/2$^+$)	B	J$^{\pi}$: in band γ to 69/2$^{(+)}$.
11323.6[i] 7	(75/2)	B	J$^{\pi}$: in band γ to 71/2.
11330.7[&] 7	(73/2$^-$)	B	J$^{\pi}$: in band γ to 69/2$^-$.
11674.4[h] 7	(79/2$^-$)	B	J$^{\pi}$: E2 in band to (75/2$^-$).
11810.4?[i] 12		B	
12195.8[k] 7	(77/2)	B	J$^{\pi}$: D(+Q) to (75/2$^-$), bandhead.
12454.3[k] 7	(81/2)	B	J$^{\pi}$: in band γ to (75/2$^-$).
12597.2[j] 7	(81/2)	B	J$^{\pi}$: D to (79/2$^-$), bandhead.
13139.2[k] 8	(85/2)	B	J$^{\pi}$: E2 in band to (81/2).
13489.7[j] 8	(85/2)	B	J$^{\pi}$: E2 in band to (81/2).
13557.0 7	(83/2$^-$)	B	J$^{\pi}$: E2 in band to (79/2$^-$).
13601.1 7	(83/2$^-$)	B	J$^{\pi}$: E2 to (79/2$^-$).
13759.2[j] 8	(87/2)	B	J$^{\pi}$: (D+Q) to (81/2). Non-collective oblate state with configuration= $\pi[(d_{5/2}/g^{-1}_{7/2\ 3/2})(h^4_{11/2\ 16})]_{35/2+}\otimes$ $\nu[(i^2_{13/2\ 12})(f_{7/2}/h^4_{9/2\ 14}]_{26+}$.
13989.8 8	(85/2$^-$)	B	J$^{\pi}$: (M1+E2) to (83/2$^-$).
14195.5 8	(85/2)	B	J$^{\pi}$: E2 to (81/2).
14202.8[k] 8	(89/2)	B	J$^{\pi}$: (M1+E2) inter band to (87/2) and in band γ to (85/2). Non-collective oblate state with configuration= $\pi[(d_{5/2}/g^{-1}_{7/2\ 5/2})(h^4_{11/2\ 16})]_{37/2+}\otimes$ $\nu[(i^2_{13/2\ 12})(f_{7/2}/h^4_{9/2\ 14}]_{26+}$.
14554.4 8	(87/2$^-$)	B	J$^{\pi}$: E2 to (83/2$^-$). Non-collective oblate state with configuration= $\pi[(d_{5/2}/g^{-1}_{7/2\ 5/2})(h^3_{11/2\ 27/2})(d_{3/2\ 3/2})]$ $_{35/2-}\otimes\nu[(i^2_{13/2\ 12})(f_{7/2}/h^4_{9/2\ 14}]_{26+}$.
14699.9 8	(87/2$^-$)	B	J$^{\pi}$: E2 to (83/2$^-$).
14888.5 13		B	

[†] From a least-squares fit to γ-ray energies.

[‡] Unless otherwise indicated, the listed values for those levels observed in the in-beam studies only are those reported by 2015Re03 (^{124}Sn(^{37}Cl,6nγ) dataset), as in part amended by evaluator, based on measured Eγ multipolarities combined with the rotational band structures, specific high-spin level scheme physical arguments and thorough cranked Nilsson-Strutinsky calculations, and systematics. There is a very good agreement in between 2015Re03 and the previous studies grouped in the (HI,xnγ) dataset, particluarly the main references therein, 1986HeZR and 1984Ha35.

[#] Band(A): Band 1, π5/2[402],α=+1/2 or F$_p$. Based on πd$_{5/2}$ orbital.

[@] Band(a): Band 1, π5/2[402],α=−1/2 or E$_p$. Based on πd$_{5/2}$ orbital.

[&] Band(B): Band 2, π7/2[523],α=+1/2. Based on πh$_{11/2}$ orbital. Configuration: B$_p$ ->B$_p$AB ->A$_p$B$_p$D$_p$AB.

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Adopted Levels, Gammas (continued)

^{155}Ho Levels (continued)

[a] Band(b): Band 2, $\pi 7/2[523],\alpha=-1/2$. Based on $\pi h_{11/2}$ orbital. Configuration: A_p ->A_pAB ->$A_pB_pC_pAB$.
[b] Band(C): Band 3, based on $29/2^{(+)},\alpha=+1/2$. Configuration=$\pi h_{11/2}\otimes\nu(i_{13/2}f_{7/2}h_{9/2})$ or A_pAE.
[c] Band(c): Band 3, based on $23/2^{+},\alpha=-1/2$. Configuration=$\pi h_{11/2}\otimes\nu(i_{13/2}f_{7/2}h_{9/2})$ or B_pAE.
[d] Band(D): Band 4, based on $(27/2^{+})$ Configuration=$\pi h_{11/2}\otimes\nu(i_{13/2}f_{7/2}h_{9/2})$ or A_pAF.
[e] Band(E): Band 5, based on $45/2^{(+)}$ Irregular band.
[f] Band(F): Band 5a, based on 67/2.
[g] Band(G): Band 5b, based on $61/2^{(+)}$.
[h] Band(H): Band 6, based on $(51/2^{-})$.
[i] Band(I): Band 6a, based on (67/2).
[j] Band(J): Band 7a, based on (81/2).
[k] Band(K): Band 7b, based on (77/2).

Adopted Levels, Gammas (continued)

γ(^{155}Ho)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	α[&]	Comments
110.14	7/2$^+$	110.12 *7*	100	0.0	5/2$^+$	M1	1.98	α(K)=1.665 *24*; α(L)=0.247 *4*; α(M)=0.0545 *8* α(N)=0.01267 *18*; α(O)=0.00184 *3*; α(P)=0.0001032 *15* B(M1)(W.u.)=0.016 *+20−9*
141.87	11/2$^-$	31.7 *1*	100	110.14	7/2$^+$	M2	998 *21*	α(L)=759 *16*; α(M)=188 *4* α(N)=44.1 *9*; α(O)=6.01 *13*; α(P)=0.259 *6* B(M2)(W.u.)=0.0382 *+40−33*
201.03	3/2$^+$,5/2$^+$,7/2$^+$	201.1 *1*	100	0.0	5/2$^+$	M1	0.364	α(K)=0.306 *5*; α(L)=0.0450 *7*; α(M)=0.00993 *14* α(N)=0.00231 *4*; α(O)=0.000336 *5*; α(P)=1.89×10^{-5} *3*
230.58	9/2$^-$	88.6 *3*	100	141.87	11/2$^-$	M1	3.70 *7*	α(K)=3.11 *6*; α(L)=0.462 *8*; α(M)=0.1021 *18* α(N)=0.0237 *4*; α(O)=0.00345 *6*; α(P)=0.000193 *4*
233.93	5/2$^-$,7/2$^-$	123.8 *1*	68 *3*	110.14	7/2$^+$	E1	0.179	α(K)=0.1500 *22*; α(L)=0.0230 *4*; α(M)=0.00506 *8* α(N)=0.001156 *17*; α(O)=0.0001580 *23*; α(P)=7.05×10^{-6} *10*
		234.0 *1*	100 *5*	0.0	5/2$^+$	(E1)	0.0335	α(K)=0.0282 *4*; α(L)=0.00410 *6*; α(M)=0.000899 *13* α(N)=0.000207 *3*; α(O)=2.91×10^{-5} *4*; α(P)=1.438×10^{-6} *21*
241.50	7/2$^+$	131.2 *3*	4 *1*	110.14	7/2$^+$			
		241.5 *2*	100 *11*	0.0	5/2$^+$	M1	0.220	α(K)=0.186 *3*; α(L)=0.0272 *4*; α(M)=0.00599 *9* α(N)=0.001391 *20*; α(O)=0.000203 *3*; α(P)=1.142×10^{-5} *17*
344.81	9/2$^+$	234.8 *2*	100 *9*	110.14	7/2$^+$	M1(+E2)	0.19 *5*	α(K)=0.150 *51*; α(L)=0.0316 *23*; α(M)=0.0072 *8* α(N)=0.00165 *16*; α(O)=0.000224 *6*; α(P)=8.6×10^{-6} *37*
		344.9 *3*	24 *8*	0.0	5/2$^+$			I_γ: unc from ^{124}Sn(^{37}Cl,6nγ).
388.99		147.6 *3*	32 *8*	241.50	7/2$^+$			
		188.1 *2*	57 *7*	201.03	3/2$^+$,5/2$^+$,7/2$^+$			
		278.3 *5*	22 *10*	110.14	7/2$^+$			
		388.9 *2*	100 *11*	0.0	5/2$^+$			
418.96	$^-$	185.1 *1*	100 *4*	233.93	5/2$^-$,7/2$^-$	M1	0.458	α(K)=0.385 *6*; α(L)=0.0567 *8*; α(M)=0.01251 *18* α(N)=0.00291 *4*; α(O)=0.000423 *6*; α(P)=2.38×10^{-5} *4*
		308.2 *3*	16 *4*	110.14	7/2$^+$			
451.36	(7/2$^-$)	221.1 *2*	100	230.58	9/2$^-$	(M1)	0.280	α(K)=0.236 *4*; α(L)=0.0346 *5*; α(M)=0.00764 *11* α(N)=0.00177 *3*; α(O)=0.000258 *4*; α(P)=1.455×10^{-5} *21*
		450.1 *4*	29	0.0	5/2$^+$			
470.66		229.2 *3*	100 *27*	241.50	7/2$^+$			
		360.9 *6*	≈20	110.14	7/2$^+$			
		470.6 *2*	85 *9*	0.0	5/2$^+$			
518.71	15/2$^-$	376.7 *3*	100	141.87	11/2$^-$	E2	0.0341	α(K)=0.0263 *4*; α(L)=0.00602 *9*; α(M)=0.001383 *20* α(N)=0.000316 *5*; α(O)=4.21×10^{-5} *6*; α(P)=1.416×10^{-6} *20*
529.60		288.2 *2*	46 *6*	241.50	7/2$^+$			
		295.6 *5*	15 *6*	233.93	5/2$^-$,7/2$^-$			
		298.8 *2*	60 *7*	230.58	9/2$^-$			
		328.7 *2*	100 *12*	201.03	3/2$^+$,5/2$^+$,7/2$^+$			
538.16	13/2$^-$	(19.3)	0.10 *2*	518.71	15/2$^-$			I_γ: estimated in (HI,xnγ) dataset.
		307.6 *3*	38 *4*	230.58	9/2$^-$	E2	0.0619	α(K)=0.0461 *7*; α(L)=0.01222 *18*; α(M)=0.00283 *4* α(N)=0.000646 *10*; α(O)=8.43×10^{-5} *13*; α(P)=2.40×10^{-6} *4*

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	δ[@a]	α[&]	Comments
538.16	13/2$^-$	396.2 *3*	100 *4*	141.87	11/2$^-$	M1+E2	+1.5 *+8−5*	0.039 *6*	α(K)=0.031 *6*; α(L)=0.0057 *4*; α(M)=0.00129 *8* α(N)=0.000298 *20*; α(O)=4.1×10^{-5} *4*; α(P)=1.8×10^{-6} *4*
565.01	11/2$^+$	220.7	<56	344.81	9/2$^+$				I_γ: from ^{124}Sn(^{37}Cl,6nγ).
		454.7 *3*	100 *11*	110.14	7/2$^+$	E2		0.0203	α(K)=0.01606 *23*; α(L)=0.00327 *5*; α(M)=0.000745 *11* α(N)=0.0001708 *25*; α(O)=2.31×10^{-5} *4*; α(P)=8.85×10^{-7} *13*
565.22	(11/2$^+$)	322.9 *3*	53 *12*	241.50	7/2$^+$				
		455.9 *3*	100 *18*	110.14	7/2$^+$				
653.31		264.4 *4*	12 *4*	388.99					
		412.1 *3*	24 *4*	241.50	7/2$^+$				
		422.7 *1*	100 *6*	230.58	9/2$^-$				
683.18		452.6 *2*	100	230.58	9/2$^-$				
817.27	13/2$^+$	252.1 *3*	37 *3*	565.01	11/2$^+$	(M1+E2)		0.155 *41*	α(K)=0.123 *42*; α(L)=0.0249 *9*; α(M)=0.0057 *4* α(N)=0.00130 *7*; α(O)=0.000177 *4*; α(P)=7.1×10^{-6} *31*
		472.8 *3*	100 *10*	344.81	9/2$^+$	E2		0.0183	α(K)=0.01454 *21*; α(L)=0.00290 *4*; α(M)=0.000659 *10* α(N)=0.0001512 *22*; α(O)=2.06×10^{-5} *3*; α(P)=8.05×10^{-7} *12*
1001.55	17/2$^-$	463.3 *3*	100 *5*	538.16	13/2$^-$	E2		0.0193	α(K)=0.01531 *22*; α(L)=0.00309 *5*; α(M)=0.000702 *10* α(N)=0.0001611 *23*; α(O)=2.19×10^{-5} *3*; α(P)=8.45×10^{-7} *12*
		482.8 *3*	67 *3*	518.71	15/2$^-$	M1+E2	+1.2 *+5−3*	0.025 *3*	α(K)=0.0203 *25*; α(L)=0.00335 *24*; α(M)=0.00075 *5* α(N)=0.000173 *12*; α(O)=2.44×10^{-5} *20*; α(P)=1.19×10^{-6} *16*
1017.4	19/2$^-$	(16.3)	0.10 *3*	1001.55	17/2$^-$	M1(+E2)		6.1×10^3 *60*	α(L)=4.7×10^3 *46*; α(M)=1.1×10^3 *11* α(N)=2.5×10^2 *25*; α(O)=29 *28*; α(P)=0.025 *3* I_γ: estimated in (HI,xnγ) dataset.
		498.6 *3*	100 *5*	518.71	15/2$^-$	E2		0.01590	α(K)=0.01273 *18*; α(L)=0.00247 *4*; α(M)=0.000559 *8* α(N)=0.0001285 *19*; α(O)=1.754×10^{-5} *25*; α(P)=7.08×10^{-7} *10*
1080.18	15/2$^+$	263.1 *3*	25 *3*	817.27	13/2$^+$				
		515.2 *3*	100 *10*	565.01	11/2$^+$	E2		0.01462	α(K)=0.01174 *17*; α(L)=0.00224 *4*; α(M)=0.000506 *8* α(N)=0.0001164 *17*; α(O)=1.594×10^{-5} *23*; α(P)=6.55×10^{-7} *10*
		541.7[c] *3*	20 *2*	538.16	13/2$^-$				
		561.2[c] *3*	20 *2*	518.71	15/2$^-$				
1361.9	17/2$^+$	281.5	<100	1080.18	15/2$^+$				
		544.6 *3*	100 *10*	817.27	13/2$^+$	E2		0.01270	α(K)=0.01025 *15*; α(L)=0.00190 *3*; α(M)=0.000430 *6* α(N)=9.88×10^{-5} *14*; α(O)=1.359×10^{-5} *20*; α(P)=5.74×10^{-7} *8*
1561.2	21/2$^-$	543.8 *3*	55 *3*	1017.4	19/2$^-$	M1+E2	+0.59 *10*	0.0226 *10*	α(K)=0.0190 *8*; α(L)=0.00282 *9*; α(M)=0.000623 *19* α(N)=0.000144 *5*; α(O)=2.09×10^{-5} *7*; α(P)=1.14×10^{-6} *6*

$^{155}_{67}Ho_{88}$-7

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	δ[@a]	α[&]	Comments
1561.2	21/2$^-$	559.6 *3*	100 *5*	1001.55	17/2$^-$	E2		0.01186	α(K)=0.00960 *14*; α(L)=0.001759 *25*; α(M)=0.000397 *6* α(N)=9.13×10^{-5} *13*; α(O)=1.259×10^{-5} *18*; α(P)=5.39×10^{-7} *8*
1605.2	23/2$^-$	(44.0)	0.50 *15*	1561.2	21/2$^-$	M1(+E2)		46 *42*	α(L)=35 *32*; α(M)=8.4 *77* α(N)=1.9 *18*; α(O)=0.22 *20*; α(P)=8.7×10^{-4} *62* I_γ: estimated in (HI,xnγ) dataset.
		587.9[b] *3*	100[b] *5*	1017.4	19/2$^-$	E2		0.01051	α(K)=0.00854 *12*; α(L)=0.001530 *22*; α(M)=0.000344 *5* α(N)=7.93×10^{-5} *12*; α(O)=1.098×10^{-5} *16*; α(P)=4.81×10^{-7} *7*
1646.99	19/2$^+$	285.3 *3*	12.1 *16*	1361.9	17/2$^+$				
		566.9 *3*	100 *5*	1080.18	15/2$^+$				
		629.5 *3*	36 *4*	1017.4	19/2$^-$				
		645.3 *3*	33 *3*	1001.55	17/2$^-$				
1669.4	19/2$^+$	307.3 *3*	33 *4*	1361.9	17/2$^+$				
		589.4 *3*	100 *11*	1080.18	15/2$^+$				
1973.0	21/2$^+$	611.1 *3*	100	1361.9	17/2$^+$	E2		0.00956	α(K)=0.00780 *11*; α(L)=0.001375 *20*; α(M)=0.000309 *5* α(N)=7.12×10^{-5} *10*; α(O)=9.88×10^{-6} *14*; α(P)=4.40×10^{-7} *7*
2129.3	23/2$^+$	459.8 *3*	22 *3*	1669.4	19/2$^+$	E2		0.0197	α(K)=0.01561 *22*; α(L)=0.00316 *5*; α(M)=0.000719 *11* α(N)=0.0001649 *24*; α(O)=2.24×10^{-5} *4*; α(P)=8.61×10^{-7} *13*
		482.4 *3*	44 *4*	1646.99	19/2$^+$	E2		0.01733	α(K)=0.01383 *20*; α(L)=0.00273 *4*; α(M)=0.000619 *9* α(N)=0.0001421 *20*; α(O)=1.93×10^{-5} *3*; α(P)=7.66×10^{-7} *11*
		524.1 *3*	17 *2*	1605.2	23/2$^-$				
		568.1 *3*	100 *5*	1561.2	21/2$^-$	D			
2189.3	25/2$^-$	584.2 *3*	58 *3*	1605.2	23/2$^-$	M1+E2	+0.42 *6*	0.0200 *5*	α(K)=0.0169 *5*; α(L)=0.00245 *6*; α(M)=0.000540 *12* α(N)=0.000125 *3*; α(O)=1.82×10^{-5} *4*; α(P)=1.02×10^{-6} *3*
		628.1 *3*	100 *5*	1561.2	21/2$^-$	E2		0.00896	α(K)=0.00732 *11*; α(L)=0.001275 *18*; α(M)=0.000286 *4* α(N)=6.60×10^{-5} *10*; α(O)=9.18×10^{-6} *13*; α(P)=4.14×10^{-7} *6*
2265.4	27/2$^-$	(75.7)	1.5 *6*	2189.3	25/2$^-$	M1(+E2)		7.0 *13*	α(K)=3.4 *15*; α(L)=2.8 *21*; α(M)=0.67 *51* α(N)=0.15 *12*; α(O)=0.018 *13*; α(P)=1.9×10^{-4} *11* I_γ: estimated in (HI,xnγ) dataset.
		660.1 *3*	100 *5*	1605.2	23/2$^-$	E2		0.00796	α(K)=0.00653 *10*; α(L)=0.001116 *16*; α(M)=0.000250 *4* α(N)=5.76×10^{-5} *9*; α(O)=8.05×10^{-6} *12*; α(P)=3.70×10^{-7} *6*
2297.1	23/2$^+$	627.7 *3*	100	1669.4	19/2$^+$	E2		0.00897	α(K)=0.00733 *11*; α(L)=0.001277 *18*; α(M)=0.000287 *4* α(N)=6.61×10^{-5} *10*; α(O)=9.19×10^{-6} *13*; α(P)=4.14×10^{-7} *6*
2464.4	27/2$^+$	275.3 *3*	75 *4*	2189.3	25/2$^-$	D			
		335.0 *3*	100 *5*	2129.3	23/2$^+$	E2		0.0479	α(K)=0.0363 *6*; α(L)=0.00902 *13*; α(M)=0.00208 *3* α(N)=0.000476 *7*; α(O)=6.25×10^{-5} *9*; α(P)=1.92×10^{-6} *3*
2616.8	(25/2$^+$)	643.8 *3*	100	1973.0	21/2$^+$				
2643.8	(27/2$^+$)	454.5 *3*	49 *2*	2189.3	25/2$^-$				
		514.5 *3*	100 *5*	2129.3	23/2$^+$				
2729.9	29/2$^{(+)}$	265.5 *3*	100 *5*	2464.4	27/2$^+$	D(+Q)			
		464.5 *3*	27 *3*	2265.4	27/2$^-$	D			
2858.8	29/2$^-$	593.3 *3*	26 *3*	2265.4	27/2$^-$				

$^{155}_{67}Ho_{88}$-8

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	δ[@a]	α[&]	Comments
2858.8	29/2$^-$	669.7 *3*	100 *5*	2189.3	25/2$^-$	E2		0.00770	α(K)=0.00632 *9*; α(L)=0.001074 *15*; α(M)=0.000241 *4* α(N)=5.55×10^{-5} *8*; α(O)=7.75×10^{-6} *11*; α(P)=3.59×10^{-7} *5*
2876.8	(29/2$^+$)	233.0 *3*	30 *3*	2643.8	(27/2$^+$)				
		611.5 *3*	100 *10*	2265.4	27/2$^-$				
2917.4	31/2$^+$	187.4 *3*	40 *2*	2729.9	29/2$^{(+)}$	D			
		273.6 *3*	57 *3*	2643.8	(27/2$^+$)				
		453.0 *3*	100 *5*	2464.4	27/2$^+$	E2		0.0205	α(K)=0.01622 *23*; α(L)=0.00331 *5*; α(M)=0.000753 *11* α(N)=0.0001729 *25*; α(O)=2.34×10^{-5} *4*; α(P)=8.93×10^{-7} *13*
2935.3	(27/2$^+$)	638.4[c] *3*	100	2297.1	23/2$^+$				
2978.0	31/2$^-$	(119.0 *3*)	8 *1*	2858.8	29/2$^-$	M1(+E2)		1.54 *6*	α(K)=1.02 *32*; α(L)=0.40 *20*; α(M)=0.094 *51* α(N)=0.021 *12*; α(O)=0.0027 *13*; α(P)=5.6×10^{-5} *27*
		712.5 *3*	100 *5*	2265.4	27/2$^-$	E2		0.00667	α(K)=0.00550 *8*; α(L)=0.000914 *13*; α(M)=0.000204 *3* α(N)=4.71×10^{-5} *7*; α(O)=6.61×10^{-6} *10*; α(P)=3.13×10^{-7} *5*
3064.7	(31/2$^+$)	187.9 *3*	4.5 *5*	2876.8	(29/2$^+$)				
		334.8 *3*	23 *2*	2729.9	29/2$^{(+)}$	(M1+E2)		0.070 *22*	α(K)=0.057 *21*; α(L)=0.0101 *11*; α(M)=0.00228 *20* α(N)=0.00052 *5*; α(O)=7.3×10^{-5} *11*; α(P)=3.3×10^{-6} *14*
		420.9 *3*	42 *2*	2643.8	(27/2$^+$)	E2		0.0250	α(K)=0.0196 *3*; α(L)=0.00418 *6*; α(M)=0.000955 *14* α(N)=0.000219 *4*; α(O)=2.94×10^{-5} *5*; α(P)=1.071×10^{-6} *16*
		600.3 *3*	100 *5*	2464.4	27/2$^+$				
3262.6	33/2$^{(+)}$	345.2 *3*	100	2917.4	31/2$^+$	D			
3264.9	(29/2$^+$)	648.1 *3*	100	2616.8	(25/2$^+$)				
3399.6	33/2$^-$	421.5 *3*	71 *3*	2978.0	31/2$^-$	(M1+E2)	+0.065 *24*	0.0499 *8*	α(K)=0.0422 *6*; α(L)=0.00607 *9*; α(M)=0.001337 *19* α(N)=0.000311 *5*; α(O)=4.53×10^{-5} *7*; α(P)=2.57×10^{-6} *4* Mult.,δ: small amount of mixing does not exclude E1.
		540.9 *3*	100 *5*	2858.8	29/2$^-$	E2		0.01292	α(K)=0.01042 *15*; α(L)=0.00194 *3*; α(M)=0.000438 *7* α(N)=0.0001008 *15*; α(O)=1.386×10^{-5} *20*; α(P)=5.84×10^{-7} *9*
3489.7	35/2$^+$	227.0 *3*	11 *1*	3262.6	33/2$^{(+)}$	D			
		572.3 *3*	100 *5*	2917.4	31/2$^+$	E2		0.01122	α(K)=0.00910 *13*; α(L)=0.001650 *24*; α(M)=0.000372 *6* α(N)=8.56×10^{-5} *12*; α(O)=1.183×10^{-5} *17*; α(P)=5.12×10^{-7} *8*
3651.3	35/2$^-$	251.7 *3*	39 *4*	3399.6	33/2$^-$	(M1+E2)	+0.07 *4*	0.197	α(K)=0.1655 *25*; α(L)=0.0243 *4*; α(M)=0.00535 *8* α(N)=0.001243 *18*; α(O)=0.000181 *3*; α(P)=1.018×10^{-5} *16* Mult.,δ: small amount of mixing does not exclude E1.
		673.2 *3*	100 *5*	2978.0	31/2$^-$	E2		0.00760	α(K)=0.00625 *9*; α(L)=0.001059 *15*; α(M)=0.000237 *4* α(N)=5.47×10^{-5} *8*; α(O)=7.65×10^{-6} *11*; α(P)=3.54×10^{-7} *5*
3657.6	(35/2$^+$)	395.0 *3*	35 *3*	3262.6	33/2$^{(+)}$	(M1+E2)		0.045 *15*	α(K)=0.037 *14*; α(L)=0.0062 *11*; α(M)=0.00138 *21* α(N)=0.00032 *5*; α(O)=4.5×10^{-5} *9*; α(P)=2.16×10^{-6} *90*
		592.9 *3*	100 *5*	3064.7	(31/2$^+$)				
3834.2?	(33/2$^+$)	569.6[c]	100	3264.9	(29/2$^+$)				
3838.4	37/2$^{(+)}$	348.8 *3*	100 *5*	3489.7	35/2$^+$	D			
		575.8 *3*	72 *8*	3262.6	33/2$^{(+)}$				
3905.9	37/2$^-$	254.7 *3*	100 *5*	3651.3	35/2$^-$	D			

$^{155}_{67}Ho_{88}$-9

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	α[&]	Comments
3905.9	37/2$^-$	506.2 *3*	90 *5*	3399.6	33/2$^-$	E2	0.01529	α(K)=0.01226 *18*; α(L)=0.00236 *4*; α(M)=0.000534 *8* α(N)=0.0001227 *18*; α(O)=1.678×10^{-5} *24*; α(P)=6.83×10^{-7} *10*
4120.3	39/2$^+$	281.9 *3*	9 *1*	3838.4	37/2$^{(+)}$	D(+Q)		
		630.6 *3*	100 *5*	3489.7	35/2$^+$	E2	0.00887	α(K)=0.00725 *11*; α(L)=0.001262 *18*; α(M)=0.000283 *4* α(N)=6.52×10^{-5} *10*; α(O)=9.08×10^{-6} *13*; α(P)=4.10×10^{-7} *6*
4211.2	39/2$^-$	305.3 *3*	100 *5*	3905.9	37/2$^-$	D(+Q)		
		559.9 *3*	90 *4*	3651.3	35/2$^-$			
4278.4	(39/2$^+$)	620.9 *3*	100	3657.6	(35/2$^+$)			
4489.3	41/2$^{(+)}$	369.0 *3*	100 *5*	4120.3	39/2$^+$	D		
		650.9 *3*	94 *5*	3838.4	37/2$^{(+)}$	E2	0.00823	α(K)=0.00674 *10*; α(L)=0.001158 *17*; α(M)=0.000260 *4* α(N)=5.99×10^{-5} *9*; α(O)=8.35×10^{-6} *12*; α(P)=3.82×10^{-7} *6*
4493.8	41/2$^-$	282.6 *3*	66 *3*	4211.2	39/2$^-$	D		
		587.9[b] *3*	100[b] *5*	3905.9	37/2$^-$	E2	0.01051	α(K)=0.00854 *12*; α(L)=0.001530 *22*; α(M)=0.000344 *5* α(N)=7.93×10^{-5} *12*; α(O)=1.098×10^{-5} *16*; α(P)=4.81×10^{-7} *7*
4601.4	41/2$^{(+)}$	323.4 *3*	96 *10*	4278.4	(39/2$^+$)	D		
		481.0 *3*	100 *10*	4120.3	39/2$^+$			
4837.9	43/2$^-$	344.1[b] *3*	58[b] *3*	4493.8	41/2$^-$	D(+Q)		
		626.7 *3*	100 *5*	4211.2	39/2$^-$	E2	0.00900	α(K)=0.00736 *11*; α(L)=0.001283 *18*; α(M)=0.000288 *4* α(N)=6.64×10^{-5} *10*; α(O)=9.23×10^{-6} *13*; α(P)=4.16×10^{-7} *6*
4875.5	43/2$^+$	274.1 *3*	14 *1*	4601.4	41/2$^{(+)}$			
		386.3 *3*	32 *3*	4489.3	41/2$^{(+)}$	D(+Q)		
		596.9 *3*	61 *3*	4278.4	(39/2$^+$)			
		755.3 *3*	100 *5*	4120.3	39/2$^+$	E2	0.00585	α(K)=0.00484 *7*; α(L)=0.000788 *11*; α(M)=0.0001757 *25* α(N)=4.06×10^{-5} *6*; α(O)=5.71×10^{-6} *8*; α(P)=2.76×10^{-7} *4*
5135.8	(41/2$^+$)	1015.4 *3*	100	4120.3	39/2$^+$	D(+Q)		
5167.3	45/2$^-$	329.4 *3*	44 *5*	4837.9	43/2$^-$	D		
		673.4 *3*	100 *5*	4493.8	41/2$^-$			
5214.6	45/2$^{(+)}$	339.0 *3*	100 *51*	4875.5	43/2$^+$	D(+Q)		
		725.3 *3*	57 *3*	4489.3	41/2$^{(+)}$	E2	0.00641	α(K)=0.00529 *8*; α(L)=0.000873 *13*; α(M)=0.000195 *3* α(N)=4.50×10^{-5} *7*; α(O)=6.32×10^{-6} *9*; α(P)=3.01×10^{-7} *5*
5392.3	45/2$^{(+)}$	256.5 *3*	49 *5*	5135.8	(41/2$^+$)			
		516.7 *3*	90 *5*	4875.5	43/2$^+$	D(+Q)	0.0221 *76*	α(K)=0.0183 *67*; α(L)=0.0029 *7*; α(M)=0.00064 *15* α(N)=0.00015 *4*; α(O)=2.12×10^{-5} *55*; α(P)=1.08×10^{-6} *44*
		791.2 *3*	100 *5*	4601.4	41/2$^{(+)}$	E2	0.00527	α(K)=0.00437 *7*; α(L)=0.000702 *10*; α(M)=0.0001563 *22* α(N)=3.61×10^{-5} *5*; α(O)=5.10×10^{-6} *8*; α(P)=2.50×10^{-7} *4*
		902.9 *3*	79 *8*	4489.3	41/2$^{(+)}$	E2	0.00396	α(K)=0.00331 *5*; α(L)=0.000511 *8*; α(M)=0.0001134 *16* α(N)=2.62×10^{-5} *4*; α(O)=3.73×10^{-6} *6*; α(P)=1.89×10^{-7} *3*
5546.8	47/2$^-$	379.5 *3*	92 *5*	5167.3	45/2$^-$			
		708.9 *3*	100 *5*	4837.9	43/2$^-$	E2	0.00675	α(K)=0.00556 *8*; α(L)=0.000926 *13*; α(M)=0.000207 *3* α(N)=4.77×10^{-5} *7*; α(O)=6.70×10^{-6} *10*; α(P)=3.16×10^{-7} *5*
5710.2	47/2$^+$	834.7 *3*	100	4875.5	43/2$^+$	E2	0.00469	α(K)=0.00390 *6*; α(L)=0.000616 *9*; α(M)=0.0001370 *20* α(N)=3.16×10^{-5} *5*; α(O)=4.48×10^{-6} *7*; α(P)=2.23×10^{-7} *4*

$^{155}_{67}Ho_{88}$-10

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	α[&]	Comments
5786.5	(45/2$^+$)	650.0	100	5135.8	(41/2$^+$)			
5932.6	49/2$^-$	385.8 *3*	38 *4*	5546.8	47/2$^-$			
		765.3 *3*	100 *5*	5167.3	45/2$^-$	E2	0.00568	α(K)=0.00470 *7*; α(L)=0.000762 *11*; α(M)=0.0001700 *24* α(N)=3.92×10^{-5} *6*; α(O)=5.53×10^{-6} *8*; α(P)=2.68×10^{-7} *4*
6057.5	49/2$^{(+)}$	347.4 *3*	38 *4*	5710.2	47/2$^+$	D(+Q)		
		842.8 *3*	100 *5*	5214.6	45/2$^{(+)}$	E2	0.00459	α(K)=0.00382 *6*; α(L)=0.000602 *9*; α(M)=0.0001338 *19* α(N)=3.09×10^{-5} *5*; α(O)=4.38×10^{-6} *7*; α(P)=2.18×10^{-7} *3*
6168.2	49/2$^{(+)}$	381.6 *3*	18 *2*	5786.5	(45/2$^+$)			
		457.9 *3*	25 *3*	5710.2	47/2$^+$			
		776.1 *3*	100 *5*	5392.3	45/2$^{(+)}$	E2	0.00550	α(K)=0.00456 *7*; α(L)=0.000736 *11*; α(M)=0.0001641 *23* α(N)=3.79×10^{-5} *6*; α(O)=5.34×10^{-6} *8*; α(P)=2.60×10^{-7} *4*
6341.7	51/2$^-$	409.0 *3*	39 *4*	5932.6	49/2$^-$			
		794.9 *3*	100 *5*	5546.8	47/2$^-$	E2	0.00522	α(K)=0.00433 *6*; α(L)=0.000694 *10*; α(M)=0.0001545 *22* α(N)=3.57×10^{-5} *5*; α(O)=5.04×10^{-6} *7*; α(P)=2.47×10^{-7} *4*
6617.1	51/2$^+$	559.6[bc] *3*	55[b] *6*	6057.5	49/2$^{(+)}$			
		906.9 *3*	100 *5*	5710.2	47/2$^+$	E2	0.00392	α(K)=0.00328 *5*; α(L)=0.000506 *7*; α(M)=0.0001122 *16* α(N)=2.59×10^{-5} *4*; α(O)=3.69×10^{-6} *6*; α(P)=1.88×10^{-7} *3*
6773.9	53/2$^-$	432.2 *3*	27 *3*	6341.7	51/2$^-$	D(+Q)		
		841.3 *3*	100 *5*	5932.6	49/2$^-$	E2	0.00461	α(K)=0.00383 *6*; α(L)=0.000605 *9*; α(M)=0.0001344 *19* α(N)=3.10×10^{-5} *5*; α(O)=4.40×10^{-6} *7*; α(P)=2.19×10^{-7} *3*
6843.5	53/2$^{(+)}$	226.3 *3*	7 *1*	6617.1	51/2$^+$			
		675.4 *3*	100 *5*	6168.2	49/2$^{(+)}$	E2	0.00755	α(K)=0.00620 *9*; α(L)=0.001050 *15*; α(M)=0.000235 *4* α(N)=5.42×10^{-5} *8*; α(O)=7.58×10^{-6} *11*; α(P)=3.52×10^{-7} *5*
		785.9 *3*	31 *2*	6057.5	49/2$^{(+)}$	E2	0.00535	α(K)=0.00444 *7*; α(L)=0.000714 *10*; α(M)=0.0001590 *23* α(N)=3.67×10^{-5} *6*; α(O)=5.18×10^{-6} *8*; α(P)=2.53×10^{-7} *4*
6952.6	53/2$^{(+)}$	335.6 *3*	21 *2*	6617.1	51/2$^+$			
		895.1 *3*	100 *5*	6057.5	49/2$^{(+)}$	E2	0.00403	α(K)=0.00337 *5*; α(L)=0.000522 *8*; α(M)=0.0001158 *17* α(N)=2.68×10^{-5} *4*; α(O)=3.81×10^{-6} *6*; α(P)=1.93×10^{-7} *3*
7194.5	55/2$^-$	420.5 *3*	23 *3*	6773.9	53/2$^-$			
		852.7 *3*	100 *5*	6341.7	51/2$^-$	E2	0.00448	α(K)=0.00373 *6*; α(L)=0.000585 *9*; α(M)=0.0001301 *19* α(N)=3.00×10^{-5} *5*; α(O)=4.26×10^{-6} *6*; α(P)=2.13×10^{-7} *3*
7292.1	57/2$^{(+)}$	448.7 *3*	100	6843.5	53/2$^{(+)}$	E2	0.0210	α(K)=0.01662 *24*; α(L)=0.00341 *5*; α(M)=0.000777 *11* α(N)=0.000178 *3*; α(O)=2.41×10^{-5} *4*; α(P)=9.14×10^{-7} *13*
7421.0	(55/2$^-$)	845.0 *3*	100	6576.0	(51/2$^-$)			
7535.6	55/2$^+$	583.0[c] *3*	100 *5*	6952.6	53/2$^{(+)}$			
		918.5 *3*	50 *3*	6617.1	51/2$^+$	E2	0.00382	α(K)=0.00319 *5*; α(L)=0.000491 *7*; α(M)=0.0001089 *16* α(N)=2.52×10^{-5} *4*; α(O)=3.59×10^{-6} *5*; α(P)=1.83×10^{-7} *3*
7680.1	57/2$^-$	485.6 *3*	58 *6*	7194.5	55/2$^-$			
		906.5 *3*	100 *5*	6773.9	53/2$^-$	E2	0.00393	α(K)=0.00328 *5*; α(L)=0.000507 *8*; α(M)=0.0001124 *16* α(N)=2.60×10^{-5} *4*; α(O)=3.70×10^{-6} *6*; α(P)=1.88×10^{-7} *3*
7711.2	57/2$^-$	937.1 *3*	100	6773.9	53/2$^-$	E2	0.00366	α(K)=0.00306 *5*; α(L)=0.000469 *7*; α(M)=0.0001039 *15* α(N)=2.40×10^{-5} *4*; α(O)=3.42×10^{-6} *5*; α(P)=1.753×10^{-7} *25*

$^{155}_{67}Ho_{88}$-11

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	α[&]	Comments
7820.3	57/2$^{(+)}$	867.7 *3*	100	6952.6	53/2$^{(+)}$	E2	0.00431	α(K)=0.00359 *5*; α(L)=0.000562 *8*; α(M)=0.0001247 *18* α(N)=2.88×10^{-5} *4*; α(O)=4.09×10^{-6} *6*; α(P)=2.06×10^{-7} *3*
8053.9	59/2$^-$	374.2 *3*	69 *7*	7680.1	57/2$^-$			
		859.2 *3*	100 *5*	7194.5	55/2$^-$	E2	0.00440	α(K)=0.00367 *6*; α(L)=0.000575 *8*; α(M)=0.0001277 *18* α(N)=2.95×10^{-5} *5*; α(O)=4.19×10^{-6} *6*; α(P)=2.10×10^{-7} *3*
8222.1	61/2$^{(+)}$	401.9 *3*	34 *3*	7820.3	57/2$^{(+)}$	E2	0.0284	α(K)=0.0221 *4*; α(L)=0.00486 *7*; α(M)=0.001112 *16* α(N)=0.000255 *4*; α(O)=3.41×10^{-5} *5*; α(P)=1.202×10^{-6} *17*
		930.1 *3*	100 *5*	7292.1	57/2$^{(+)}$	E2	0.00372	α(K)=0.00311 *5*; α(L)=0.000477 *7*; α(M)=0.0001058 *15* α(N)=2.44×10^{-5} *4*; α(O)=3.48×10^{-6} *5*; α(P)=1.780×10^{-7} *25*
8240.9	59/2	559.8 *3*	80 *8*	7680.1	57/2$^-$			E$_\gamma$: poor fit, level-energy difference=560.8.
		820.0 *3*	49 *5*	7421.0	(55/2$^-$)			
		948.8 *3*	100 *10*	7292.1	57/2$^{(+)}$	D		
8273.6	(59/2$^-$)	851.5	100	7421.0	(55/2$^-$)			
8387.4	61/2$^{(+)}$	1095.1 *3*	100	7292.1	57/2$^{(+)}$	E2	0.00266	α(K)=0.00223 *4*; α(L)=0.000331 *5*; α(M)=7.30×10^{-5} *11* α(N)=1.688×10^{-5} *24*; α(O)=2.42×10^{-6} *4*; α(P)=1.281×10^{-7} *18*
8486.6	61/2$^-$	213.0 *3*	12 *1*	8273.6	(59/2$^-$)	D(+Q)		
		244.8 *3*	100 *5*	8240.9	59/2	D(+Q)		E$_\gamma$: poor fit, level-energy difference=245.7.
		775.2 *3*	31 *3*	7711.2	57/2$^-$	E2	0.00552	α(K)=0.00457 *7*; α(L)=0.000738 *11*; α(M)=0.0001645 *23* α(N)=3.80×10^{-5} *6*; α(O)=5.36×10^{-6} *8*; α(P)=2.61×10^{-7} *4*
		807.6 *3*	25 *5*	7680.1	57/2$^-$			E$_\gamma$: poor fit, level-energy difference=806.5.
8515.5	61/2$^-$	461.7 *3*	66 *7*	8053.9	59/2$^-$			
		804.3 *3*	82 *8*	7711.2	57/2$^-$			
		835.2 *3*	100 *5*	7680.1	57/2$^-$	E2	0.00468	α(K)=0.00389 *6*; α(L)=0.000615 *9*; α(M)=0.0001368 *20* α(N)=3.16×10^{-5} *5*; α(O)=4.48×10^{-6} *7*; α(P)=2.23×10^{-7} *4*
8742.1	(63/2$^-$)	226.6 *3*	76 *8*	8515.5	61/2$^-$	D(+Q)		
		255.4 *3*	100 *9*	8486.6	61/2$^-$	D(+Q)		
		354.9 *3*	44 *4*	8387.4	61/2$^{(+)}$	D		
		468.2	<14	8273.6	(59/2$^-$)			
		519.8 *3*	78 *8*	8222.1	61/2$^{(+)}$	D		
8905.5	65/2$^-$	163.4 *3*	100 *5*	8742.1	(63/2$^-$)	D		
		418.8 *3*	89 *4*	8486.6	61/2$^-$	E2	0.0253	α(K)=0.0199 *3*; α(L)=0.00425 *6*; α(M)=0.000970 *14* α(N)=0.000222 *4*; α(O)=2.99×10^{-5} *5*; α(P)=1.084×10^{-6} *16*
8924.5	63/2$^-$	408.9 *3*	39 *4*	8515.5	61/2$^-$	(M1+E2)	0.041 *14*	α(K)=0.033 *13*; α(L)=0.0056 *10*; α(M)=0.00125 *20* α(N)=0.00029 *5*; α(O)=4.1×10^{-5} *9*; α(P)=1.97×10^{-6} *82*
		870.7 *3*	100 *10*	8053.9	59/2$^-$			
9086.9	65/2$^{(+)}$	864.9 *3*	100	8222.1	61/2$^{(+)}$	E2	0.00434	α(K)=0.00362 *5*; α(L)=0.000566 *8*; α(M)=0.0001257 *18* α(N)=2.90×10^{-5} *4*; α(O)=4.12×10^{-6} *6*; α(P)=2.07×10^{-7} *3*
9279.4	65/2$^{(+)}$	892.5 *3*	100 *5*	8387.4	61/2$^{(+)}$	E2	0.00406	α(K)=0.00339 *5*; α(L)=0.000525 *8*; α(M)=0.0001166 *17* α(N)=2.69×10^{-5} *4*; α(O)=3.83×10^{-6} *6*; α(P)=1.94×10^{-7} *3*
		1057.1 *3*	81 *8*	8222.1	61/2$^{(+)}$	E2	0.00285	α(K)=0.00240 *4*; α(L)=0.000357 *5*; α(M)=7.89×10^{-5} *11* α(N)=1.83×10^{-5} *3*; α(O)=2.62×10^{-6} *4*; α(P)=1.374×10^{-7} *20*

$^{155}_{67}Ho_{88}$-12

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	α[&]	Comments
9430.5	65/2(+)	1042.4 *3*	100 *10*	8387.4	61/2(+)			
		1208.8 *3*	90 *10*	8222.1	61/2(+)	E2	0.00219	α(K)=0.00184 *3*; α(L)=0.000267 *4*; α(M)=5.88×10^{-5} *9* α(N)=1.362×10^{-5} *19*; α(O)=1.96×10^{-6} *3*; α(P)=1.055×10^{-7} *15*; α(IPF)=6.16×10^{-6} *10*
9543.7	(67/2−)	638.1 *3*	100 *5*	8905.5	65/2−	(M1+E2)	0.0130 *44*	α(K)=0.0109 *39*; α(L)=0.00165 *43*; α(M)=3.66×10^{-4} *92* α(N)=8.5×10^{-5} *22*; α(O)=1.22×10^{-5} *34*; α(P)=6.4×10^{-7} *25*
		801.8 *3*	17 *2*	8742.1	(63/2−)	E2	0.00512	α(K)=0.00425 *6*; α(L)=0.000679 *10*; α(M)=0.0001512 *22* α(N)=3.49×10^{-5} *5*; α(O)=4.94×10^{-6} *7*; α(P)=2.43×10^{-7} *4*
9617.7	65/2−	1102.2 *3*	100	8515.5	61/2−	E2	0.00262	α(K)=0.00220 *3*; α(L)=0.000326 *5*; α(M)=7.19×10^{-5} *10* α(N)=1.664×10^{-5} *24*; α(O)=2.39×10^{-6} *4*; α(P)=1.265×10^{-7} *18*; α(IPF)=2.87×10^{-7} *6*
9649.3	(67/2)	743.7 *3*	100	8905.5	65/2−	D+Q	0.0089 *29*	α(K)=0.0075 *26*; α(L)=0.00112 *30*; α(M)=2.47×10^{-4} *64* α(N)=5.7×10^{-5} *15*; α(O)=8.2×10^{-6} *23*; α(P)=4.4×10^{-7} *16*
9668.0	67/2	581.1 *3*	100	9086.9	65/2(+)	D(+Q)		
9958.4	67/2−	340.6 *3*	100 *10*	9617.7	65/2−			
		1033.9 *3*	70 *7*	8924.5	63/2−	E2	0.00299	α(K)=0.00251 *4*; α(L)=0.000375 *6*; α(M)=8.29×10^{-5} *12* α(N)=1.92×10^{-5} *3*; α(O)=2.75×10^{-6} *4*; α(P)=1.437×10^{-7} *21*
10177.6	69/2(+)	746.8 *3*	88 *9*	9430.5	65/2(+)	E2	0.00600	α(K)=0.00496 *7*; α(L)=0.000811 *12*; α(M)=0.000181 *3* α(N)=4.17×10^{-5} *6*; α(O)=5.88×10^{-6} *9*; α(P)=2.82×10^{-7} *4*
		898.4 *3*	100 *10*	9279.4	65/2(+)	E2	0.00400	α(K)=0.00334 *5*; α(L)=0.000517 *8*; α(M)=0.0001148 *16* α(N)=2.65×10^{-5} *4*; α(O)=3.77×10^{-6} *6*; α(P)=1.91×10^{-7} *3*
10290.3	71/2	622.4 *3*	100	9668.0	67/2	E2	0.00915	α(K)=0.00747 *11*; α(L)=0.001307 *19*; α(M)=0.000294 *5* α(N)=6.76×10^{-5} *10*; α(O)=9.41×10^{-6} *14*; α(P)=4.22×10^{-7} *6*
10422.7	(71/2−)	879.1 *3*	100	9543.7	(67/2−)	E2	0.00419	α(K)=0.00350 *5*; α(L)=0.000544 *8*; α(M)=0.0001209 *17* α(N)=2.79×10^{-5} *4*; α(O)=3.97×10^{-6} *6*; α(P)=2.00×10^{-7} *3*
10519.9	69/2−	902.1 *3*	100	9617.7	65/2−	E2	0.00397	α(K)=0.00331 *5*; α(L)=0.000512 *8*; α(M)=0.0001137 *16* α(N)=2.63×10^{-5} *4*; α(O)=3.74×10^{-6} *6*; α(P)=1.90×10^{-7} *3*
10735.6	71/2	1086.2 *3*	100	9649.3	(67/2)	E2	0.00270	α(K)=0.00227 *4*; α(L)=0.000336 *5*; α(M)=7.43×10^{-5} *11* α(N)=1.719×10^{-5} *24*; α(O)=2.47×10^{-6} *4*; α(P)=1.302×10^{-7} *19*
10858.5	(71/2−)	900.1 *3*	100	9958.4	67/2−			
11036.2	(75/2−)	613.5 *3*	100	10422.7	(71/2−)	E2	0.00947	α(K)=0.00773 *11*; α(L)=0.001360 *20*; α(M)=0.000306 *5* α(N)=7.04×10^{-5} *10*; α(O)=9.78×10^{-6} *14*; α(P)=4.36×10^{-7} *7*
11159.9	(73/2+)	869.7 *3*	100 *11*	10290.3	71/2			
		982.2 *3*	52 *5*	10177.6	69/2(+)			
11323.6	(75/2)	588.0 *3*	100	10735.6	71/2			
11330.7	(73/2−)	810.8 *3*	100	10519.9	69/2−			
11674.4	(79/2−)	350.7 *3*	26 *3*	11323.6	(75/2)			
		638.3 *3*	100 *5*	11036.2	(75/2−)	E2	0.00862	α(K)=0.00705 *10*; α(L)=0.001221 *18*; α(M)=0.000274 *4* α(N)=6.31×10^{-5} *9*; α(O)=8.79×10^{-6} *13*; α(P)=3.99×10^{-7} *6*
11810.4?		487.0[c]	100	11323.6	(75/2)			
12195.8	(77/2)	1159.6 *3*	100	11036.2	(75/2−)	D(+Q)	1.01×10^{-3}	α(K)=0.000852 *12*; α(L)=0.0001133 *16*; α(M)=2.47×10^{-5} *4*

Adopted Levels, Gammas (continued)

γ(^{155}Ho) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	α[&]	Comments
								α(N)=5.72×10^{-6} *8*; α(O)=8.32×10^{-7} *12*; α(P)=4.72×10^{-8} *7*; α(IPF)=9.98×10^{-6} *16*
12454.3	(81/2)	258.7	<33	12195.8	(77/2)			
		779.7 *3*	100 *3*	11674.4	(79/2$^-$)			
12597.2	(81/2)	922.9 *3*	100	11674.4	(79/2$^-$)	D		
13139.2	(85/2)	684.8 *3*	100	12454.3	(81/2)	E2	0.00731	α(K)=0.00601 *9*; α(L)=0.001013 *15*; α(M)=0.000227 *4* α(N)=5.23×10^{-5} *8*; α(O)=7.32×10^{-6} *11*; α(P)=3.41×10^{-7} *5*
13489.7	(85/2)	892.7 *3*	100	12597.2	(81/2)	E2	0.00406	α(K)=0.00339 *5*; α(L)=0.000525 *8*; α(M)=0.0001165 *17* α(N)=2.69×10^{-5} *4*; α(O)=3.83×10^{-6} *6*; α(P)=1.94×10^{-7} *3*
13557.0	(83/2$^-$)	1882.6 *3*	100	11674.4	(79/2$^-$)	E2	1.17×10^{-3}	α(K)=0.000799 *12*; α(L)=0.0001097 *16*; α(M)=2.40×10^{-5} *4* α(N)=5.56×10^{-6} *8*; α(O)=8.10×10^{-7} *12*; α(P)=4.58×10^{-8} *7*; α(IPF)=0.000229 *4*
13601.1	(83/2$^-$)	1926.6 *3*	100	11674.4	(79/2$^-$)	E2	1.15×10^{-3}	α(K)=0.000766 *11*; α(L)=0.0001049 *15*; α(M)=2.30×10^{-5} *4* α(N)=5.32×10^{-6} *8*; α(O)=7.75×10^{-7} *11*; α(P)=4.39×10^{-8} *7*; α(IPF)=0.000249 *4*
13759.2	(87/2)	269.6 *3*	100 *10*	13489.7	(85/2)	(D+Q)		
		620.0	<50	13139.2	(85/2)			
13989.8	(85/2$^-$)	388.7 *3*	100 *14*	13601.1	(83/2$^-$)	D(+Q)		
		432.8 *3*	100 *14*	13557.0	(83/2$^-$)	(M1+E2)	0.035 *12*	α(K)=0.029 *11*; α(L)=0.0047 *10*; α(M)=0.00106 *19* α(N)=0.00024 *5*; α(O)=3.5×10^{-5} *8*; α(P)=1.70×10^{-6} *71*
14195.5	(85/2)	1598.3 *3*	100	12597.2	(81/2)	E2	1.38×10^{-3}	α(K)=0.001081 *16*; α(L)=0.0001509 *22*; α(M)=3.31×10^{-5} *5* α(N)=7.67×10^{-6} *11*; α(O)=1.113×10^{-6} *16*; α(P)=6.20×10^{-8} *9*; α(IPF)=0.0001075 *15*
14202.8	(89/2)	443.7 *3*	100 *8*	13759.2	(87/2)	(M1+E2)	0.033 *11*	α(K)=0.027 *10*; α(L)=0.0044 *9*; α(M)=0.00099 *19* α(N)=0.00023 *5*; α(O)=3.2×10^{-5} *8*; α(P)=1.60×10^{-6} *66*
		1063.4 *3*	8 *1*	13139.2	(85/2)			
14554.4	(87/2$^-$)	997.4 *3*	100	13557.0	(83/2$^-$)	E2	0.00322	α(K)=0.00269 *4*; α(L)=0.000407 *6*; α(M)=9.00×10^{-5} *13* α(N)=2.08×10^{-5} *3*; α(O)=2.97×10^{-6} *5*; α(P)=1.544×10^{-7} *22*
14699.9	(87/2$^-$)	1142.9 *3*	100	13557.0	(83/2$^-$)	E2	0.00244	α(K)=0.00205 *3*; α(L)=0.000301 *5*; α(M)=6.64×10^{-5} *10* α(N)=1.538×10^{-5} *22*; α(O)=2.21×10^{-6} *3*; α(P)=1.177×10^{-7} *17*; α(IPF)=1.236×10^{-6} *21*
14888.5		1287.5[c]		13601.1	(83/2$^-$)			
		1331.5	100	13557.0	(83/2$^-$)			

[†] When the same Eγ was measured in the ε decay dataset and in the reaction datasets, the more precise value in the ε decay is adopted. For the reaction datasets (that are similar), the Eγ values from the ^{124}Sn(^{37}Cl,6nγ) dataset set were preferred because the measurement is the most extensive, more recent, and it also gives Eγ uncertainties (while the (HI,xnγ) does not).

[‡] From ε decay dataset for γ′s from levels ≤683 and from ^{124}Sn(^{37}Cl,6nγ) dataset for γ′s from levels populated in this and in (HI,xnγ) datasets (from the latter if exclusively measuren therein); exceptions are noted in comments.

$^{155}_{67}Ho_{88}$-14

Adopted Levels, Gammas (continued)

$\gamma(^{155}Ho)$ (continued)

[#] For those levels populated in the ε decay dataset, the values are obtained from the α(K)exp data. For those populated in the $^{124}Sn(^{37}Cl,6n\gamma)$ or (HI,Xnγ) reaction datasets, they are deduced from $\gamma(\theta)$ data (for the first reaction by a so called angular-intensity ratio method − see the dataset for definition). For both of these datasets quadrupole transitions are assumed to be stretched E2 (rather than M2), which are generally observed in the heavy ion reactions. For dipole transitions where the electric or magnetic character is more difficult to assess witout polarization measurements D character was generally adopted except for cases where the measured mixing ratio of the Q component suggests that M1+E2 can be adopted (the E1 transitions being rather pure dipole).

[@] From (HI,xnγ). The positive signs have been inserted by the evaluator, since 1984Ha35 do not include them. For $^{124}Sn(^{37}Cl,6n\gamma)$ 2015Re03 did not measure mixing ratios.

[&] Additional information 1.

[a] Additional information 2.

[b] Multiply placed with intensity suitably divided.

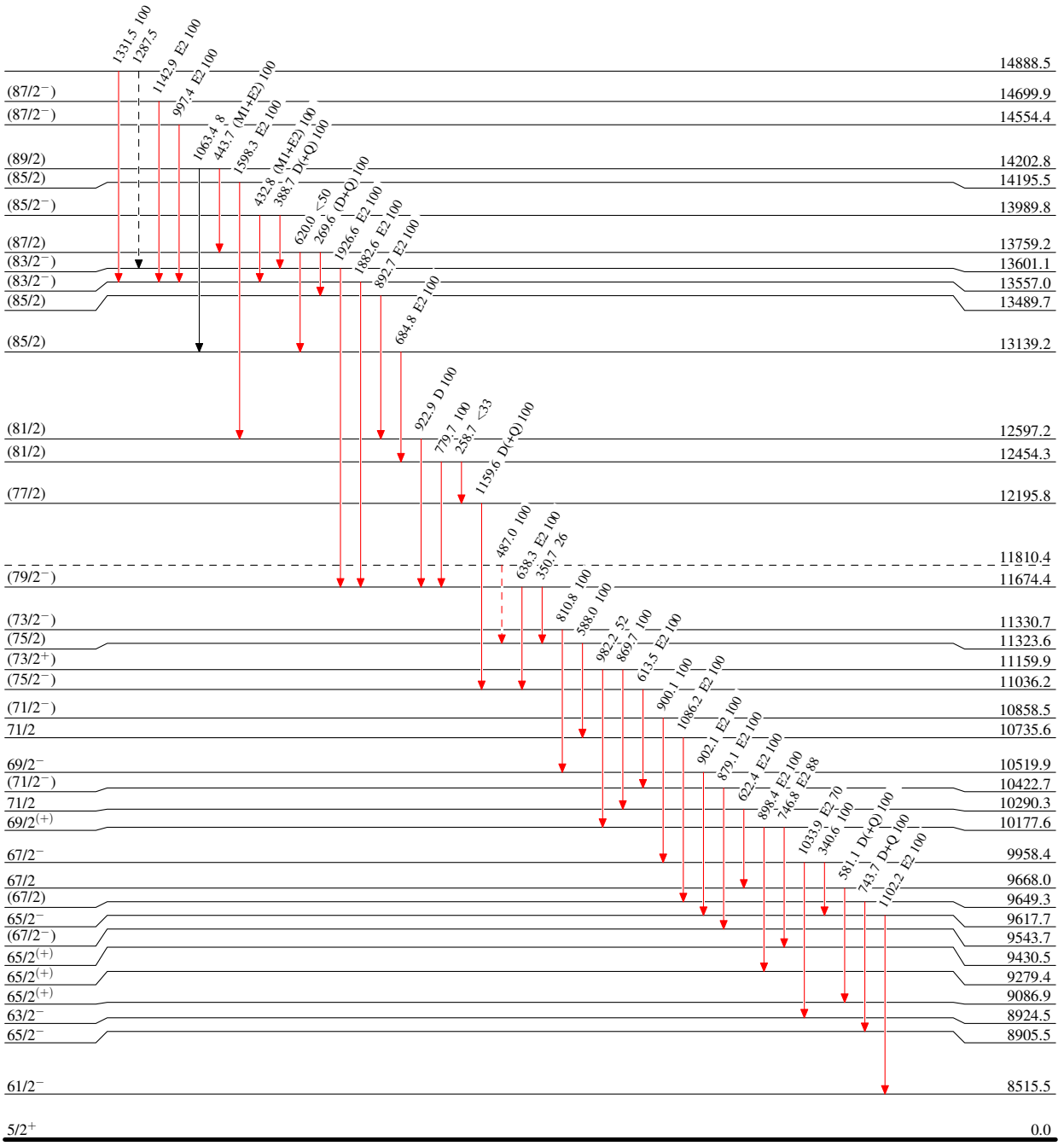
[c] Placement of transition in the level scheme is uncertain.

$^{155}_{67}Ho_{88}$-15

Adopted Levels, Gammas

Level Scheme

Intensities: Type not specified

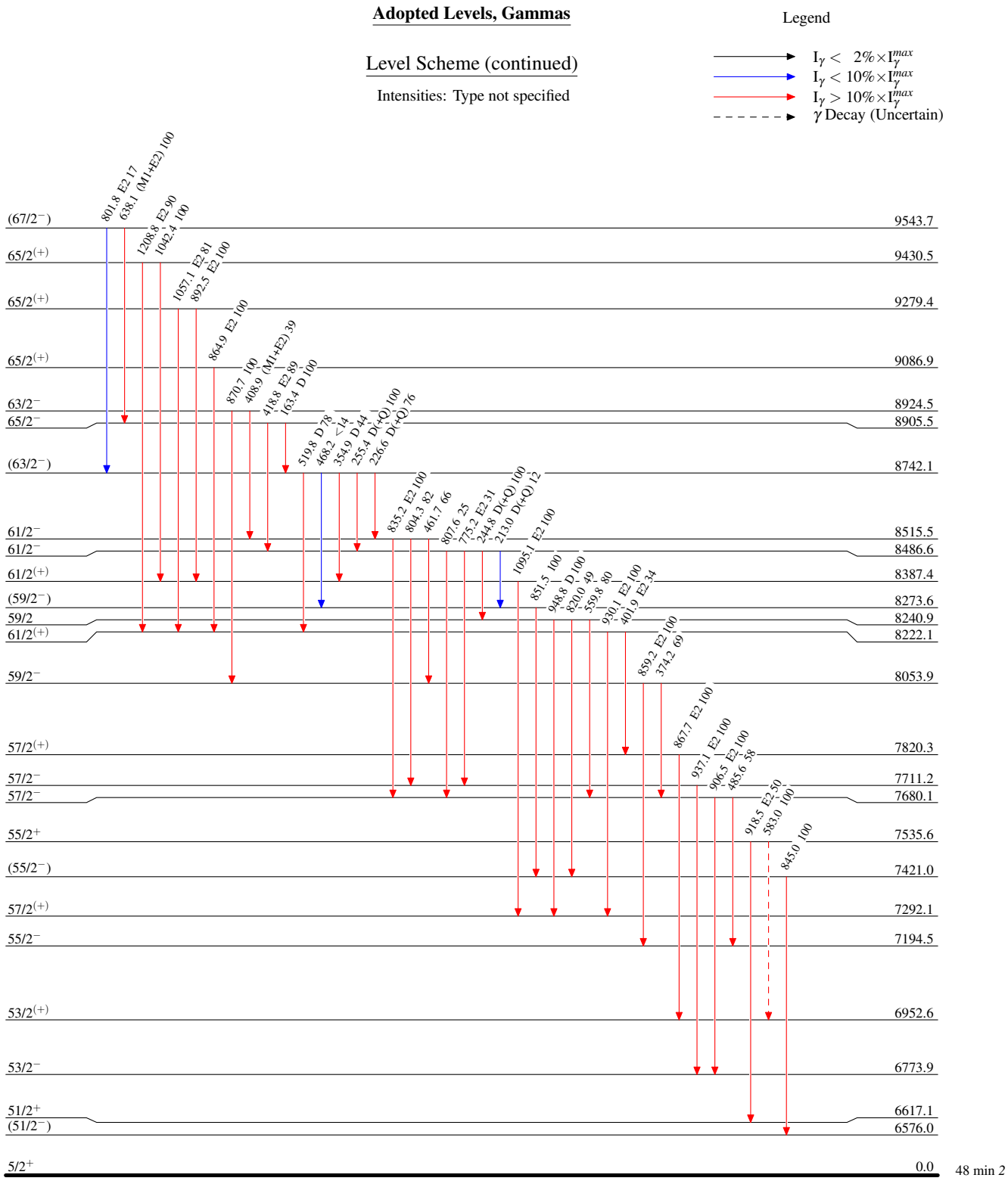


$^{155}_{67}Ho_{88}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



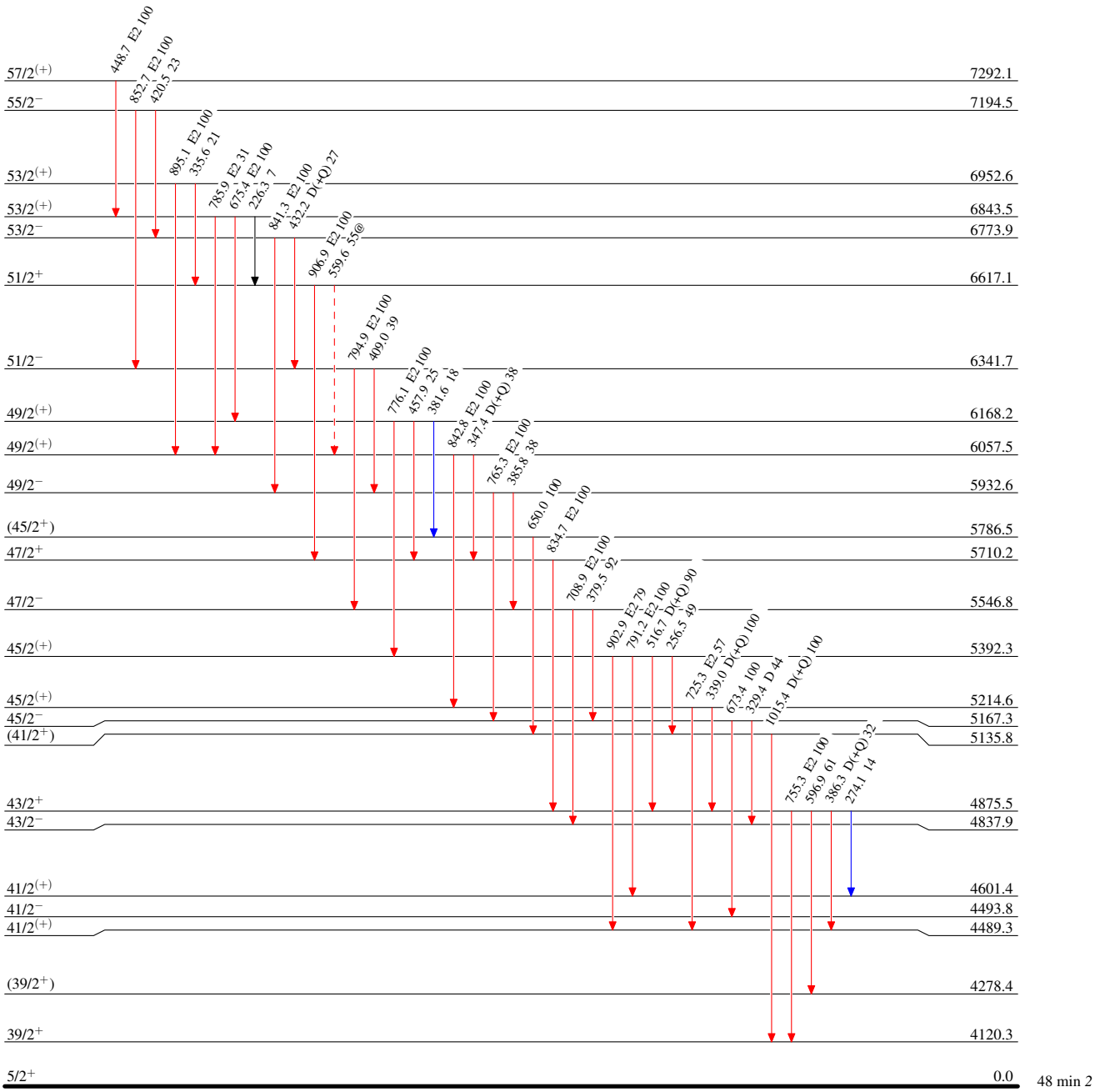
$^{155}_{67}Ho_{88}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
@ Multiply placed: intensity suitably divided

Legend
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$
γ Decay (Uncertain)

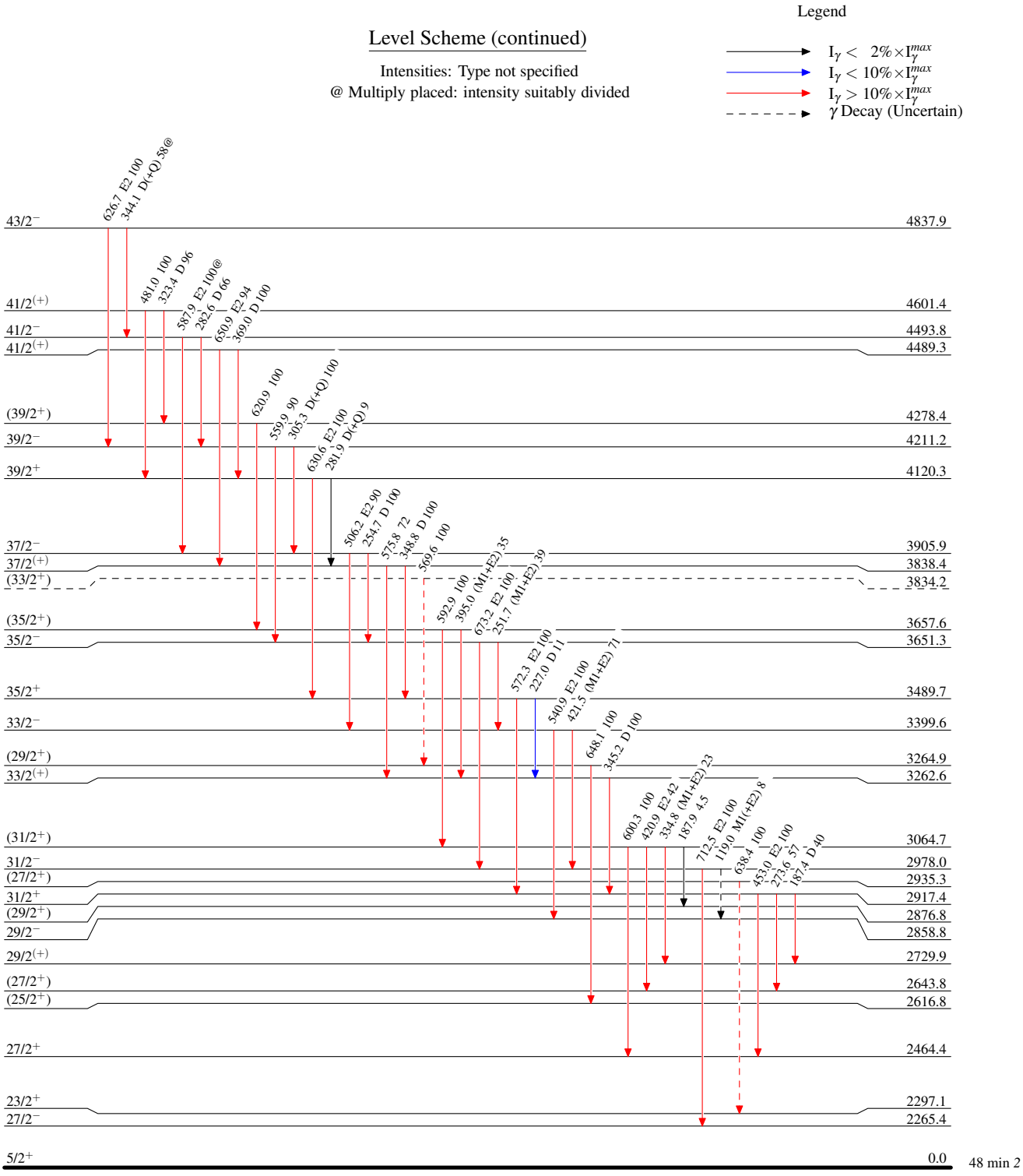


$^{155}_{67}Ho_{88}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
@ Multiply placed: intensity suitably divided

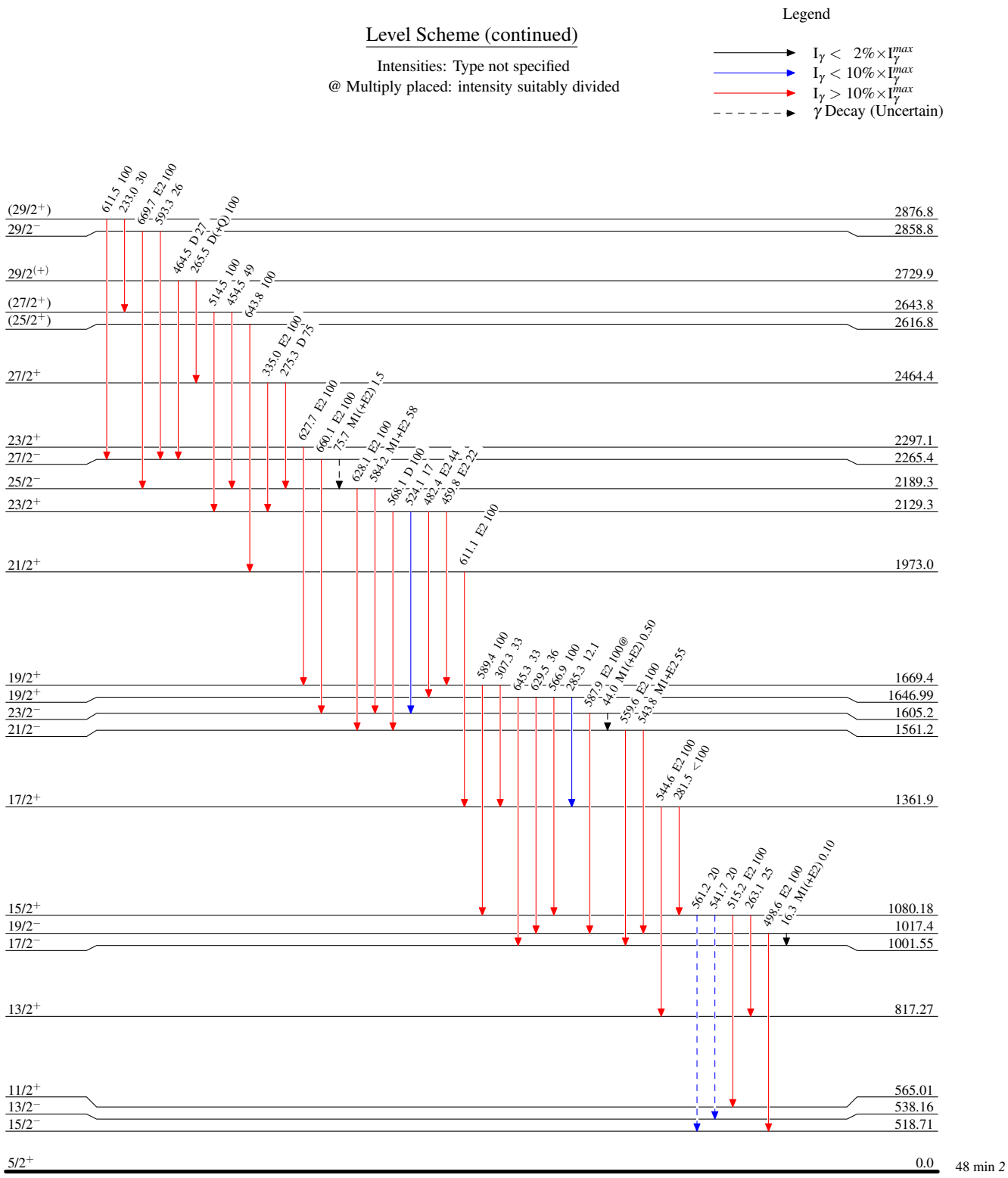


$^{155}_{67}Ho_{88}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
@ Multiply placed: intensity suitably divided

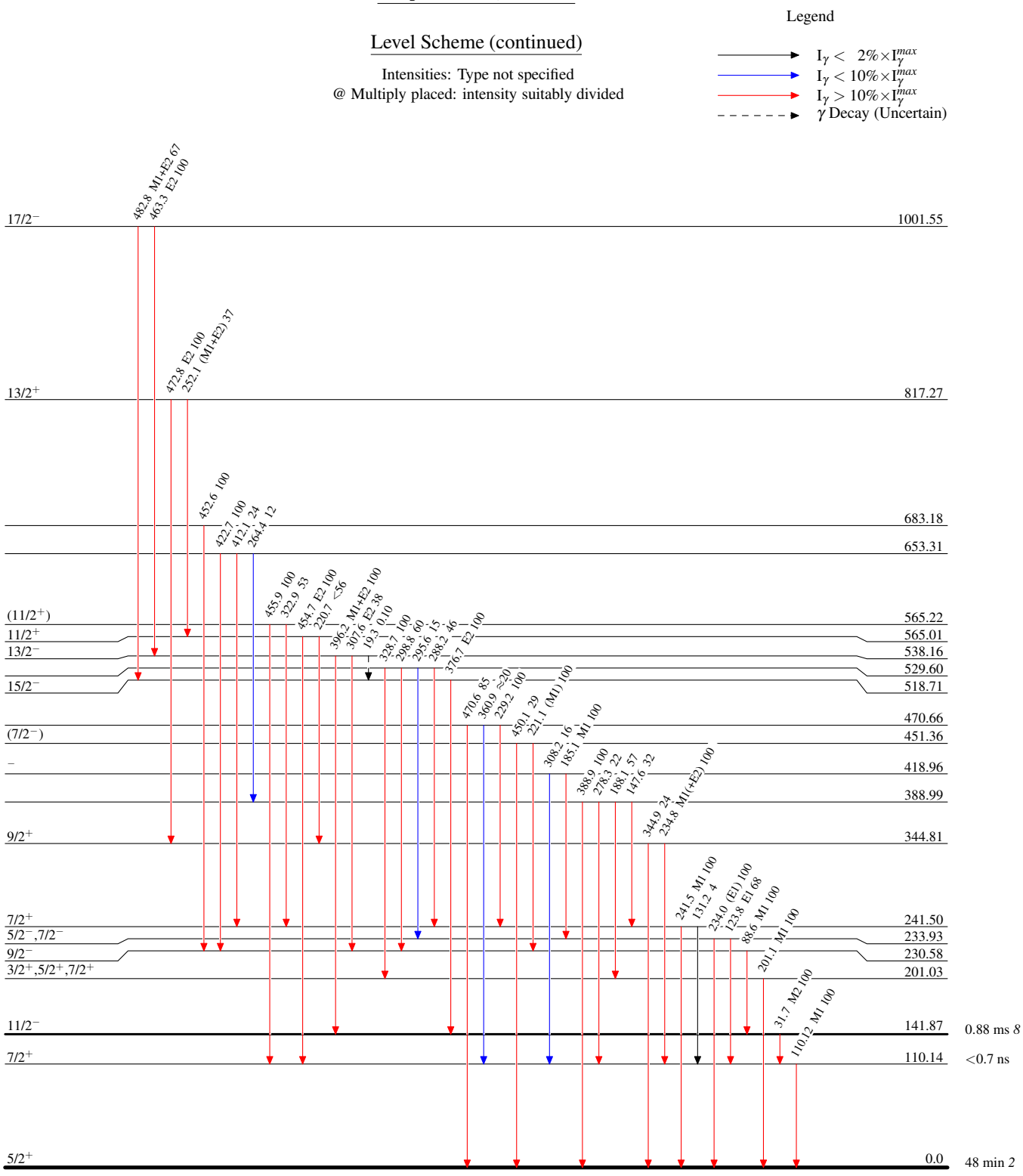


$^{155}_{67}Ho_{88}$

Adopted Levels, Gammas

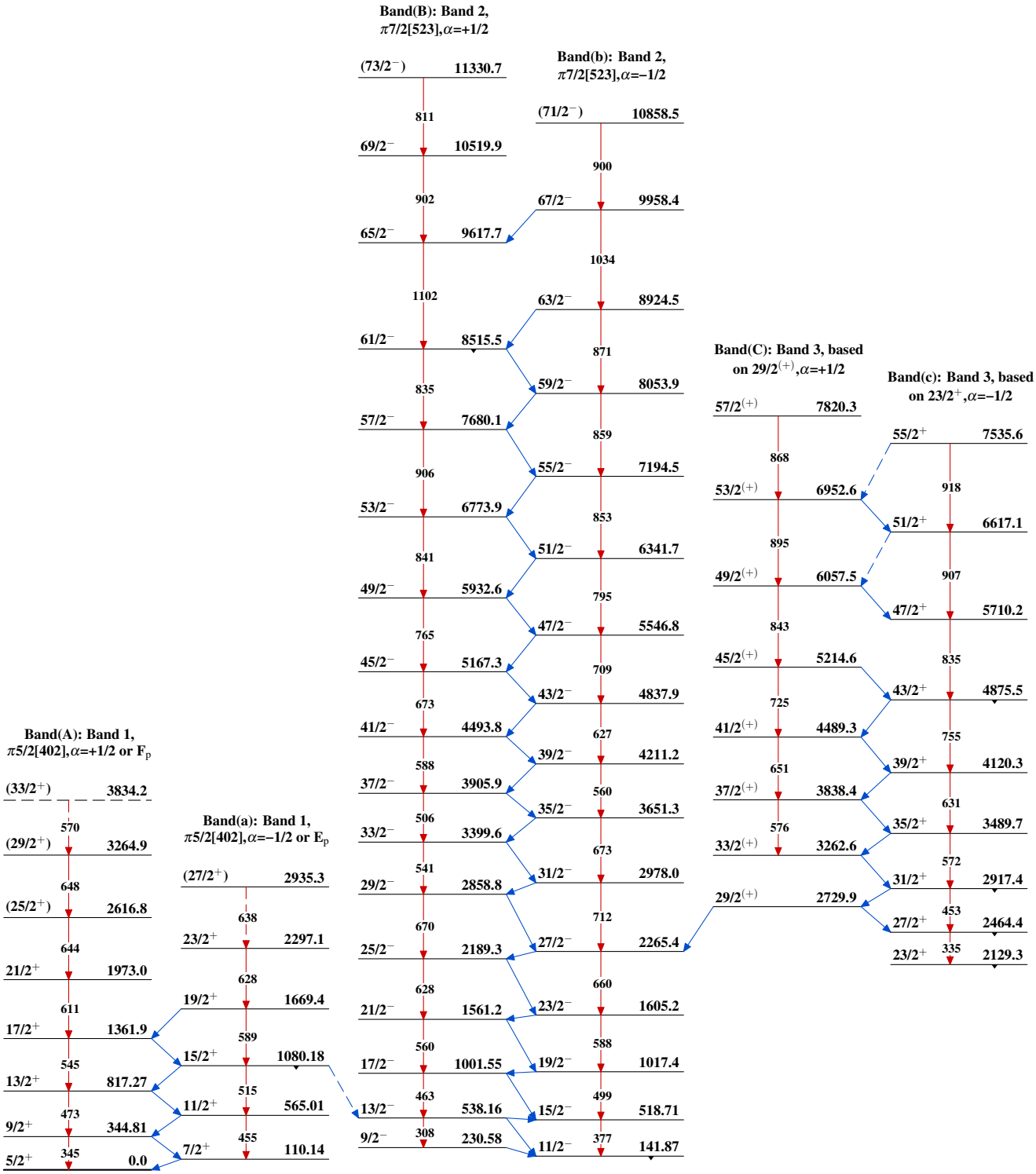
Level Scheme (continued)

Intensities: Type not specified
@ Multiply placed: intensity suitably divided



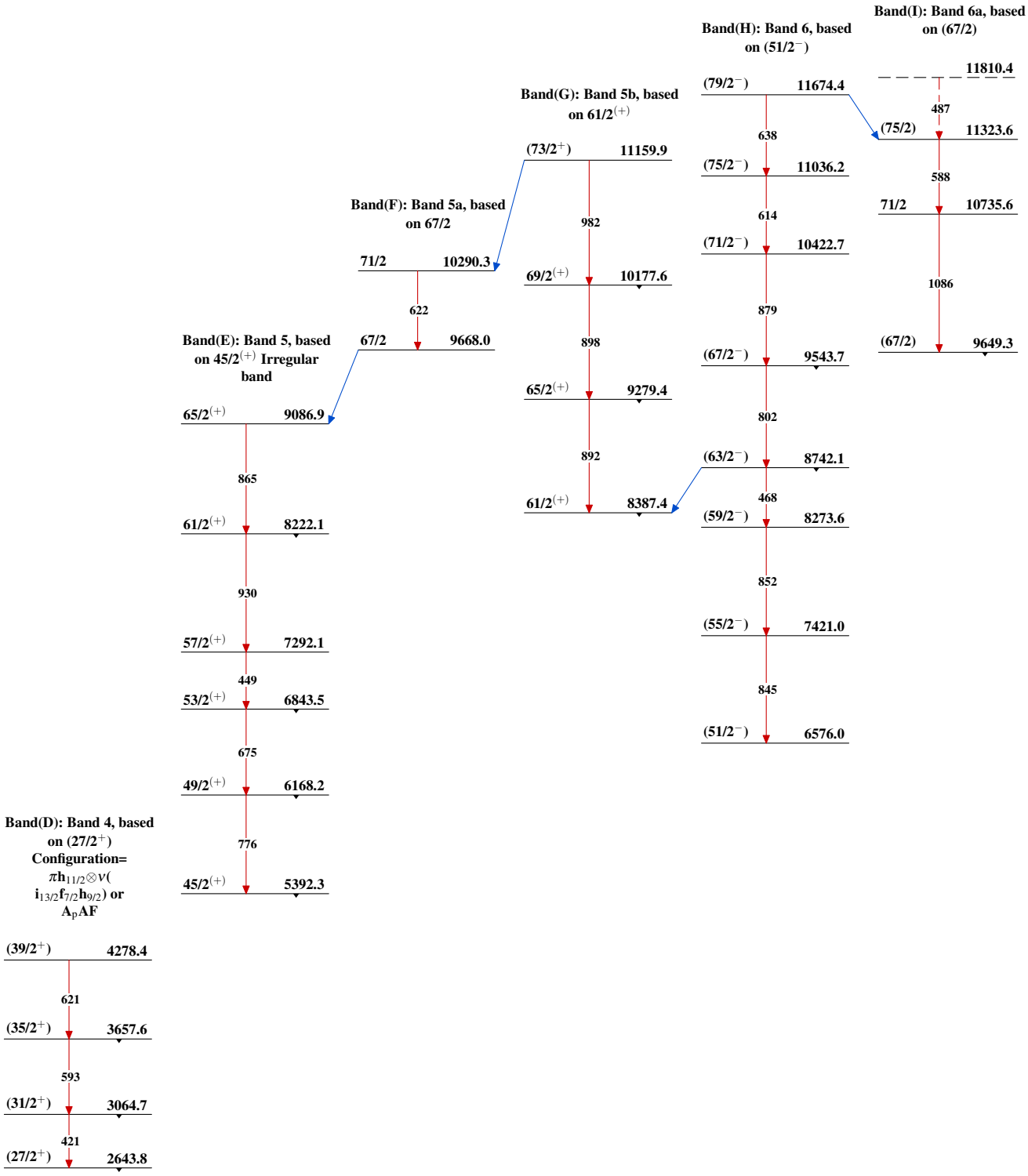
$^{155}_{67}Ho_{88}$

Adopted Levels, Gammas

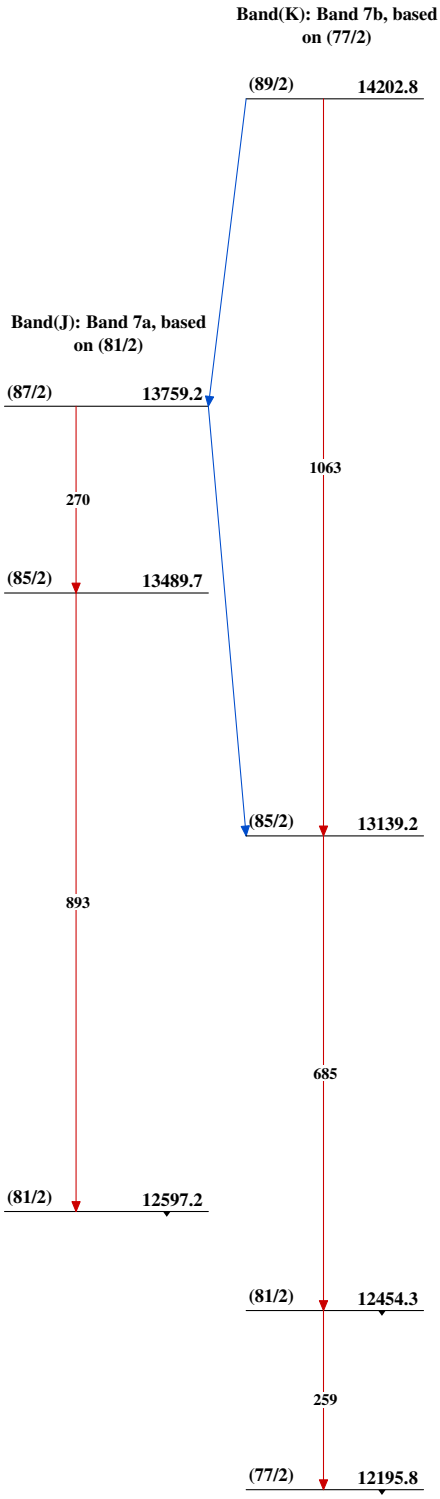


$^{155}_{67}Ho_{88}$

Adopted Levels, Gammas (continued)



Adopted Levels, Gammas (continued)



$^{155}_{67}Ho_{88}$