^{121}Xe ε decay 1972Mu03,1971Ho02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111, 1619 (2010)	20-Jan-2009

Parent: ^{121}Xe: E=0.0; $J^\pi=5/2^{(+)}$; $T_{1/2}$=40.1 min *20*; Q(ε)=3776 *12*; %ε+%β^+ decay=100.0

1972Mu03: Ce(p,5pxn) E=600 MeV, on-line mass separation, semi γ, $\gamma\gamma$, semi and magnetic spectrometer ce (1972Mu03).

1971Ho02: $\gamma\gamma$(t), γce(t).

The decay scheme is that proposed by 1972Mu03.

Others: 1969Bu07, 1971ShZY ^{120}Te(α,3n) E=40 MeV, semi γ.

The γ placements in the present decay scheme are inconsistent with the $J^\pi=(9/2)^+$ assignment of 433.6, 529.2, and 649.7 levels deduced from ^{121}Sb(^{3}He,3nγ) data. The evaluators noted that inconsistencies of several β feedings with low log *ft* values (7.0-7.5) can be reduced by placing several gammas from higher lying levels with consistent energies.

^{121}I Levels

E(level)†	J^π‡	$T_{1/2}$#	Comments
0.0	5/2$^+$	2.12 h *1*	$T_{1/2}$: from Adopted Levels.
95.71 *10*	1/2$^+$	8.3 ns *4*	$T_{1/2}$: from (80γ + $\gamma^\pm$ + 843γ)(96γ)(t) (1970Sc21).
132.87 *10*	7/2$^+$	0.35 ns *2*	$T_{1/2}$: from (600<E(γ)<800)(ce 132.8γ)(t) (1971Ho02).
175.84 *11*	3/2$^+$	0.32 ns *2*	$T_{1/2}$: from (600<E(γ)<800)(ce 81γ+176γ)(t) (1971Ho02). $T_{1/2}$: from γ-ce(t) (1971Ho02).
252.73 *9*	3/2$^+$	55 ps *+10−15*	$T_{1/2}$: from (600<E(γ)<800)(ce 253γ)(t) (1971Ho02).
310.58 *10*	5/2$^+$	0.13 ns *3*	$T_{1/2}$: from ($\gamma^\pm$ + γ)(ce 310γ)(t) (1971Ho02). $T_{1/2}$: from γ-ce(t) (1971Ho02).
433.58 *13*	(9/2)$^+$		
445.33 *11*	(7/2)$^+$		
529.24 *15*	(9/2)$^+$		
649.73 *15*	(9/2)$^+$		
906.02 *19*			
930.76 *21*	3/2$^+$,5/2$^+$		
938.21 *16*	3/2$^+$,5/2$^+$		
961.99 *17*	1/2$^+$,3/2$^+$,5/2$^+$		
1006.52 *17*	3/2$^+$,5/2$^+$		
1035.33 *15*	3/2$^+$,5/2$^+$		
1046.31 *21*			
1077.46 *16*	3/2$^+$,5/2$^+$		
1094.17 *21*			
1129.46 *18*			
1186.31 *21*			
1254.59 *22*			
1276.54 *13*	3/2$^+$,5/2$^+$		
1302.6 *3*			
1339.31 *18*			
1558.5 *3*			
1679.95 *25*			
1793.46 *21*	3/2$^+$,5/2$^+$		
1907.65 *22*			
1964.56 *20*	3/2$^+$,5/2$^+$		
2022.9? *3*	3/2$^+$,5/2$^+$		
2076.86 *16*			
2188.33 *23*			
2220.50 *18*			
2223.65 *22*			
2465.5 *4*	3/2$^+$,5/2$^+$		
2588.91 *18*			
2689.92 *25*			
2739.21 *23*			

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^{121}Xe ε decay 1972Mu03,1971Ho02 (continued)

^{121}I Levels (continued)

E(level)†	Jπ‡	E(level)†	E(level)†	E(level)†
2780.75 *20*		2847.5 *3*	3097.3 *4*	3194.32 *19*
2797.58 *21*		2892.8 *3*	3112.7 *3*	3229.8 *3*
2809.9 *4*	3/2+,5/2+	2904.5 *3*	3158.1 *4*	3398.49 *23*
2822.3 *4*		2994.1 *3*	3160.0 *3*	
2830.6 *3*		3067.94 *22*	3166.73 *20*	

† E(levels) are based on a least-squares fit to E(γ′s) from 1972Mu03.
‡ From Adopted Levels.
\# $T_{1/2}$ are from γγ(t) (1970Sc21) and γ-ce(t) (1971Ho02), unless noted otherwise.

ε,β+ radiations

E(decay)	E(level)	Iβ+ ‡	Iε‡	Log *ft*	I(ε+β+)‡	Comments
(378 *12*)	3398.49		0.64 *9*	5.23 *9*	0.64 *9*	εK=0.8378 *8*; εL=0.1275 *6*; εM+=0.03474 *19*
(546 *12*)	3229.8		0.20 *5*	6.07 *12*	0.20 *5*	εK=0.8447 *4*; εL=0.1222 *3*; εM+=0.03309 *8*
(582 *12*)	3194.32		1.23 *16*	5.34 *8*	1.23 *16*	εK=0.8456 *3*; εL=0.12156 *23*; εM+=0.03287 *7*
(609 *12*)	3166.73		1.36 *20*	5.34 *9*	1.36 *20*	εK=0.8462 *3*; εL=0.12109 *20*; εM+=0.03272 *7*
(616 *12*)	3160.0		1.15 *17*	5.42 *9*	1.15 *17*	εK=0.8463 *3*; εL=0.12098 *20*; εM+=0.03269 *7*
(618 *12*)	3158.1		0.26 *6*	6.07 *12*	0.26 *6*	εK=0.8464 *3*; εL=0.12095 *20*; εM+=0.03268 *7*
(663 *12*)	3112.7		0.39 *7*	5.96 *10*	0.39 *7*	εK=0.8473 *3*; εL=0.12028 *17*; εM+=0.03246 *6*
(679 *12*)	3097.3		0.29 *6*	6.11 *11*	0.29 *6*	εK=0.8475 *2*; εL=0.12007 *16*; εM+=0.03240 *5*
(708 *12*)	3067.94		0.59 *9*	5.84 *9*	0.59 *9*	εK=0.8480 *2*; εL=0.11971 *15*; εM+=0.03229 *5*
(782 *12*)	2994.1		0.47 *7*	6.03 *9*	0.47 *7*	εK=0.8491 *2*; εL=0.1189 *2*; εM+=0.03204 *4*
(872 *12*)	2904.5		0.67 *11*	5.97 *9*	0.67 *11*	εK=0.8501 *2*; εL=0.1181 *1*; εM+=0.03179 *3*
(883 *12*)	2892.8		0.47 *7*	6.14 *9*	0.47 *7*	εK=0.8502 *2*; εL=0.1181 *1*; εM+=0.03177 *3*
(929 *12*)	2847.5		0.40 *7*	6.25 *9*	0.40 *7*	εK=0.8506 *1*; εL=0.11773 *9*; εM+=0.03166 *3*
(945 *12*)	2830.6		0.40 *7*	6.27 *9*	0.40 *7*	εK=0.8508 *1*; εL=0.11762 *8*; εM+=0.03163 *3*
(954 *12*)	2822.3		0.42 *7*	6.26 *9*	0.42 *7*	εK=0.8508 *1*; εL=0.11756 *8*; εM+=0.03161 *3*
(966 *12*)	2809.9		0.49 *9*	6.20 *10*	0.49 *9*	εK=0.8509 *1*; εL=0.11749 *8*; εM+=0.03159 *3*
(978 *12*)	2797.58		3.3 *4*	5.38 *8*	3.3 *4*	εK=0.8510 *1*; εL=0.11741 *8*; εM+=0.03156 *3*
(995 *12*)	2780.75		0.71 *10*	6.07 *8*	0.71 *10*	εK=0.8512 *1*; εL=0.11731 *7*; εM+=0.03153 *3*
(1037 *12*)	2739.21		3.9 *5*	5.36 *8*	3.9 *5*	εK=0.85146 *9*; εL=0.11708 *7*; εM+=0.03146 *2*
(1086 *12*)	2689.92		0.69 *11*	6.16 *9*	0.69 *11*	εK=0.8518; εL=0.11683 *6*; εM+=0.03138 *2*
(1187 *12*)	2588.91		1.78 *22*	5.82 *8*	1.78 *22*	εK=0.8523; εL=0.11637 *6*; εM+=0.03124 *2*
(1311 *12*)	2465.5		0.37 *8*	6.59 *11*	0.37 *8*	εK=0.85223 *9*; εL=0.11582 *6*; εM+=0.03107 *2*
(1552 *12*)	2223.65	0.0108 *18*	1.05 *15*	6.29 *8*	1.06 *15*	av Eβ=244.8 *53*; εK=0.8452 *8*; εL=0.11408 *13*; εM+=0.03057 *4*
(1556 *12*)	2220.50	0.0121 *21*	1.16 *17*	6.25 *8*	1.17 *17*	av Eβ=246.1 *53*; εK=0.8450 *8*; εL=0.11405 *14*; εM+=0.03057 *4*
(1588 *12*)	2188.33	0.0054 *12*	0.41 *9*	6.71 *11*	0.42 *9*	av Eβ=260.1 *53*; εK=0.8429 *9*; εL=0.11368 *15*; εM+=0.03046 *4*
(1699 *12*)	2076.86	0.031 *5*	1.23 *20*	6.30 *9*	1.26 *20*	av Eβ=308.7 *53*; εK=0.8329 *14*; εL=0.11207 *21*; εM+=0.03002 *6*
(1753 *12*)	2022.9?	0.014 *3*	0.43 *8*	6.79 *10*	0.44 *8*	av Eβ=332.2 *53*; εK=0.8264 *16*; εL=0.11108 *24*; εM+=0.02975 *7*
(1811 *12*)	1964.56	0.035 *6*	0.79 *13*	6.55 *9*	0.83 *14*	av Eβ=357.7 *53*; εK=0.8180 *19*; εL=0.1098 *3*; εM+=0.02941 *8*
(1868 *12*)	1907.65	0.023 *4*	0.40 *7*	6.88 *9*	0.42 *7*	av Eβ=382.5 *53*; εK=0.8085 *22*; εL=0.1085 *4*; εM+=0.02904 *9*
(1983 *12*)	1793.46	0.064 *11*	0.72 *12*	6.67 *9*	0.78 *13*	av Eβ=432.6 *53*; εK=0.785 *3*; εL=0.1051 *4*; εM+=0.02814 *11*
(2096 *12*)	1679.95	0.046 *7*	0.35 *5*	7.03 *9*	0.40 *6*	av Eβ=482.6 *53*; εK=0.757 *4*; εL=0.1011 *5*; εM+=0.02707

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^{121}Xe ε decay 1972Mu03,1971Ho02 (continued)

ϵ,β^+ radiations (continued)

E(decay)	E(level)	Iβ^+ ‡	Iε‡	Log *ft*	I($\varepsilon+\beta^+$)‡	Comments
						13
(2218 *12*)	1558.5	0.055 *10*	0.29 *5*	7.16 *9*	0.35 *6*	av Eβ=536.3 *54*; εK=0.721 *4*; εL=0.0962 *6*; εM+=0.02574 *14*
(2499 *12*)	1276.54	0.48 *7*	1.27 *17*	6.63 *8*	1.75 *24*	av Eβ=662.0 *54*; εK=0.622 *5*; εL=0.0828 *6*; εM+=0.02216 *17*
(2521 *12*)	1254.59	0.23 *4*	0.59 *10*	6.97 *9*	0.82 *14*	av Eβ=671.8 *54*; εK=0.614 *5*; εL=0.0817 *6*; εM+=0.02186 *17*
(2590 *12*)	1186.31	0.11 *4*	0.24 *10*	7.38 *18*	0.35 *14*	av Eβ=702.4 *54*; εK=0.589 *5*; εL=0.0783 *6*; εM+=0.02094 *17*
(2682 *12*)	1094.17	0.20 *3*	0.38 *6*	7.22 *9*	0.58 *9*	av Eβ=743.9 *54*; εK=0.554 *5*; εL=0.0736 *6*; εM+=0.01969 *17*
(2730 *12*)	1046.31	0.27 *4*	0.46 *6*	7.15 *8*	0.73 *10*	av Eβ=765.5 *55*; εK=0.536 *5*; εL=0.0712 *6*; εM+=0.01905 *16*
(2741 *12*)	1035.33	0.66 *10*	1.08 *16*	6.78 *8*	1.74 *25*	av Eβ=770.4 *55*; εK=0.532 *5*; εL=0.0707 *6*; εM+=0.01890 *16*
(2838 *12*)	938.21	0.30 *7*	0.42 *9*	7.22 *11*	0.72 *16*	av Eβ=814.3 *55*; εK=0.496 *5*; εL=0.0659 *6*; εM+=0.01762 *16*
(2845 *12*)	930.76	0.53 *10*	0.72 *14*	6.99 *10*	1.25 *24*	av Eβ=817.7 *55*; εK=0.494 *5*; εL=0.0655 *6*; εM+=0.01752 *16*
(3126 *12*)	649.73	0.47 *11*	0.41 *10*	7.32† *12*	0.88† *21*	av Eβ=945.5 *55*; εK=0.399 *4*; εL=0.0528 *5*; εM+=0.01411 *14*
(3247 *12*)	529.24	0.87 *17*	0.63 *13*	7.16† *10*	1.5† *3*	av Eβ=1000.6 *55*; εK=0.362 *4*; εL=0.0480 *5*; εM+=0.01282 *13*
(3331 *12*)	445.33	2.6 *5*	1.7 *4*	6.75 *11*	4.3 *9*	av Eβ=1039.1 *56*; εK=0.339 *4*; εL=0.0448 *5*; εM+=0.01198 *12*
(3342 *12*)	433.58	1.8 *2*	1.1 *2*	6.93† *8*	2.9† *4*	av Eβ=1044.5 *56*; εK=0.335 *4*; εL=0.0444 *5*; εM+=0.01186 *12*
(3465 *12*)	310.58	5.0 *6*	2.7 *4*	6.58 *8*	7.7 *10*	av Eβ=1101.1 *56*; εK=0.304 *3*; εL=0.0402 *4*; εM+=0.01074 *11*
(3523 *12*)	252.73	3.5 *5*	1.8 *2*	6.78 *8*	5.3 *7*	av Eβ=1127.8 *56*; εK=0.290 *3*; εL=0.0383 *4*; εM+=0.01024 *10*
(3600 *12*)	175.84	4.4 *8*	2.1 *4*	6.74 *10*	6.5 *12*	av Eβ=1163.3 *56*; εK=0.272 *3*; εL=0.0360 *4*; εM+=0.00962 *10*
(3643 *12*)	132.87	4.5 *10*	2.0 *4*	6.76 *11*	6.5 *14*	av Eβ=1183.1 *56*; εK=0.263 *3*; εL=0.0348 *4*; εM+=0.00930 *9*
(3680 *12*)	95.71	≤0.91	≤0.39	≥7.5	≤1.3	av Eβ=1200.3 *56*; εK=0.2555 *25*; εL=0.0338 *4*; εM+=0.00902 *9*
(3776 *12*)	0.0	20 *6*	7.7 *22*	6.21 *14*	28 *8*	av Eβ=1244.7 *56*; εK=0.2367 *23*; εL=0.0313 *3*; εM+=0.00835 *8*

† The evaluator noted that inconsistency of β feedings with low log *ft* value can be reduced by of several gammas from higher lying levels with consistent energies.

‡ For absolute intensity per 100 decays, multiply by 1.00 *10*.

$\gamma(^{121}I)$

Iγ normalization: from sum I(γ+ce) to g.s.=72% 9.

E$_\gamma$[†]	I$_\gamma$[‡a]	E$_i$(level)	J$^\pi_i$	E$_f$	J$^\pi_f$	Mult.[#]	δ[#]	α[b]	Comments
57.8 2	4.2 3	310.58	5/2$^+$	252.73	3/2$^+$	M1(+E2)	0.10 10	3.7 3	α(K)=3.14 10; α(L)=0.46 15; α(M)=0.09 3; α(N+..)=0.021 7 α(N)=0.019 6; α(O)=0.0021 5 Mult.: from α(L)exp=0.50 8. δ: <0.20 from α(L)exp.
^{x}72.6 3	1.2 2								
77.0 3	0.6 1	252.73	3/2$^+$	175.84	3/2$^+$	[M1]		1.58 3	α(K)=1.357 25; α(L)=0.178 4; α(M)=0.0359 7; α(N+..)=0.00812 15 α(N)=0.00727 14; α(O)=0.000850 16
80.1 2	19.0 15	175.84	3/2$^+$	95.71	1/2$^+$	M1		1.410	ce(K)/(γ+ce)=0.503 5; ce(L)/(γ+ce)=0.0660 12; ce(M)/(γ+ce)=0.01331 24; ce(N+)/(γ+ce)=0.00301 6 ce(N)/(γ+ce)=0.00269 5; ce(O)/(γ+ce)=0.000315 6
84.0 3	0.5 1	529.24	(9/2)$^+$	445.33	(7/2)$^+$	E2		3.26 7	α(K)=2.05 4; α(L)=0.966 21; α(M)=0.205 5; α(N+..)=0.0430 10 α(N)=0.0394 9; α(O)=0.00361 8 Mult.: from α(K)exp=2.32 50.
95.7 2	36 3	95.71	1/2$^+$	0.0	5/2$^+$	E2		2.05 4	α(K)=1.372 22; α(L)=0.540 9; α(M)=0.1143 20; α(N+..)=0.0241 4 α(N)=0.0220 4; α(O)=0.00205 4 Mult.: from α(K)exp=1.40 15, α(L)exp=0.56 7, α(M)exp=0.17 5.
132.8 2	87 7	132.87	7/2$^+$	0.0	5/2$^+$	M1(+E2)	−0.03 +9−5	0.337 6	α(K)=0.289 5; α(L)=0.0378 8; α(M)=0.00761 16; α(N+..)=0.00172 4 α(N)=0.00154 3; α(O)=0.000180 4 Mult.: from α(K)exp=0.28 3, α(L)exp=0.038 5, α(M)exp=0.011 4; δ: from adopted gammas.
134.6 3	5.2 7	310.58	5/2$^+$	175.84	3/2$^+$	M1(+E2)	0.10 10	0.327 10	α(K)=0.280 7; α(L)=0.037 3; α(M)=0.0075 6; α(N+..)=0.00169 12 α(N)=0.00152 11; α(O)=0.000176 10 Mult.: from α(K)exp=0.27 5. δ: <0.20 from α(K)exp.
157.0 2	2.5 3	252.73	3/2$^+$	95.71	1/2$^+$	M1(+E2)	0.42 42	0.23 4	α(K)=0.196 25; α(L)=0.030 12; α(M)=0.0061 24; α(N+..)=0.0014 5 α(N)=0.0012 5; α(O)=0.00014 4 Mult.: from α(K)exp=0.19 4. δ: <0.84 from α(K)exp.
175.8 3	34 5	175.84	3/2$^+$	0.0	5/2$^+$	M1(+E2)	0.42 42	0.168 23	α(K)=0.142 15; α(L)=0.021 7; α(M)=0.0043 14; α(N+..)=0.0009 3 α(N)=0.0009 3; α(O)=9.6×10^{-5} 24 Mult.: from α(K)exp=0.13 3, α(L)exp=0.022 6. δ: from α(K)exp.
177.7 3	8.5 10	310.58	5/2$^+$	132.87	7/2$^+$	M1(+E2)	0.6 6	0.17 3	α(K)=0.144 18; α(L)=0.023 8; α(M)=0.0047 16; α(N+..)=0.0010 4 α(N)=0.0009 3; α(O)=0.00010 3 Mult.: from α(K)exp=0.12 3, α(L)exp=0.018 7. δ: <1.2 from α(K)exp.
192.6 3	0.4 1	445.33	(7/2)$^+$	252.73	3/2$^+$	[E2]		0.177	α(K)=0.1404 21; α(L)=0.0291 5; α(M)=0.00602 10;

γ(^{121}I) (continued)

E_γ[†]	I_γ[‡a]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[#]	δ[#]	α[b]	Comments
									α(N+..)=0.001300 *20* α(N)=0.001180 *18*; α(O)=0.0001202 *19*
204.5 *3*	0.8 *2*	649.73	(9/2)$^+$	445.33	(7/2)$^+$	M1+E2	+0.03 *15*	0.1029 *20*	α(K)=0.0887 *16*; α(L)=0.0114 *4*; α(M)=0.00230 *9*; α(N+..)=0.000521 *18* α(N)=0.000466 *16*; α(O)=5.47$\times10^{-5}$ *15* Mult.,δ: from adopted gammas.
214.6 *3*	4.6 *6*	310.58	5/2$^+$	95.71	1/2$^+$	[E2]		0.1221	α(K)=0.0983 *15*; α(L)=0.0191 *3*; α(M)=0.00394 *6*; α(N+..)=0.000855 *13* α(N)=0.000775 *12*; α(O)=8.00$\times10^{-5}$ *12*
252.7 *2*	100	252.73	3/2$^+$	0.0	5/2$^+$	M1(+E2)	0.33 *33*	0.060 *3*	α(K)=0.0512 *17*; α(L)=0.0068 *8*; α(M)=0.00138 *17*; α(N+..)=0.00031 *4* α(N)=0.00028 *4*; α(O)=3.2$\times10^{-5}$ *3* Mult.: from α(K)exp=0.054 *7*, α(L)exp=0.0074 *10*. δ: <0.66 from α(K)exp.
300.7 *2*	20.5 *15*	433.58	(9/2)$^+$	132.87	7/2$^+$	M1+E2	+0.13 *+7−5*	0.0371	α(K)=0.0320 *5*; α(L)=0.00410 *7*; α(M)=0.000824 *14*; α(N+..)=0.000187 *3* α(N)=0.000167 *3*; α(O)=1.96$\times10^{-5}$ *3* Mult.: from α(K)exp=0.036 *10*; δ: from adopted gammas.
310.5 *2*	43 *4*	310.58	5/2$^+$	0.0	5/2$^+$	M1(+E2)	1.0	0.0351	α(K)=0.0297 *5*; α(L)=0.00432 *7*; α(M)=0.000878 *13*; α(N+..)=0.000195 *3* α(N)=0.0001758 *25*; α(O)=1.97$\times10^{-5}$ *3* Mult.: from α(K)exp=0.031 *6*. δ: 1.0 assumed.
314.5 *3*	1.5 *3*	1276.54	3/2$^+$,5/2$^+$	961.99	1/2$^+$,3/2$^+$,5/2$^+$				
396.3 *2*	7.2 *6*	529.24	(9/2)$^+$	132.87	7/2$^+$	M1+E2	−0.20 *5*	0.0182	α(K)=0.01574 *23*; α(L)=0.00200 *3*; α(M)=0.000402 *6*; α(N+..)=9.09$\times10^{-5}$ *13* α(N)=8.14$\times10^{-5}$ *12*; α(O)=9.55$\times10^{-6}$ *14* Mult.,δ: assigned from d(+Q) and J^π of initial and final states in ^{121}Sb(^{3}He,3nγ).
433.4 *2*	8.4 *7*	433.58	(9/2)$^+$	0.0	5/2$^+$	E2		0.01291	α(K)=0.01090 *16*; α(L)=0.001609 *23*; α(M)=0.000327 *5*; α(N+..)=7.25$\times10^{-5}$ *11* α(N)=6.53$\times10^{-5}$ *10*; α(O)=7.25$\times10^{-6}$ *11*
445.2 *2*	62 *6*	445.33	(7/2)$^+$	0.0	5/2$^+$	M1+E2	−0.18 *10*	0.01360 *21*	α(K)=0.01175 *18*; α(L)=0.001483 *21*; α(M)=0.000298 *5*; α(N+..)=6.75$\times10^{-5}$ *10* α(N)=6.04$\times10^{-5}$ *9*; α(O)=7.10$\times10^{-6}$ *11* Mult.: from α(K)exp=0.011 *3*. δ: from adopted gammas.
485.3 *3*	2.1 *3*	930.76	3/2$^+$,5/2$^+$	445.33	(7/2)$^+$				α(K)=0.0096; α(L)=0.00121; α(M)=0.00024
516.7[c] *3*	0.9[c@] *4*	649.73	(9/2)$^+$	132.87	7/2$^+$	M1+E2	+0.12 *5*	0.00942 *14*	α=0.00942 *14*; α(K)=0.00815 *12*;

γ(^{121}I) (continued)

E_γ[†]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	α[b]	Comments
								α(L)=0.001021 *15*; α(M)=0.000205 *3*; α(N+..)=4.64×10^{-5} *7* α(N)=4.15×10^{-5} *6*; α(O)=4.89×10^{-6} *7* I_γ: The relative intensity of multiply placed gammas was estimated from γγ-coincidence spectra (1972Mu03). However, the value is too small compared with the in-beam studies. Mult.: from adopted gammas. δ: from adopted gammas.
516.7[cd] *3*	1.4[c@] *4*	961.99	1/2$^+$,3/2$^+$,5/2$^+$	445.33	(7/2)$^+$		0.0096	α=0.0096; α(K)=0.00825; α(L)=0.00103
529.1 *4*	11.0 *15*	529.24	(9/2)$^+$	0.0	5/2$^+$	(E2)	0.00732 *11*	α=0.00732 *11*; α(K)=0.00623 *9*; α(L)=0.000875 *13*; α(M)=0.000177 *3*; α(N+..)=3.95×10^{-5} *6* α(N)=3.55×10^{-5} *5*; α(O)=4.00×10^{-6} *6*
539.1 *3*	0.4 *1*	1793.46	3/2$^+$,5/2$^+$	1254.59				
547.9 *4*	0.9 *1*	1077.46	3/2$^+$,5/2$^+$	529.24	(9/2)$^+$			
560.1 *3*	1.0 *1*	2780.75		2220.50				
585.6 *3*	0.9 *1*	1679.95		1094.17				
600.7 *3*	0.7 *1*	1046.31		445.33	(7/2)$^+$			
626.6 *3*	0.4 *1*	1276.54	3/2$^+$,5/2$^+$	649.73	(9/2)$^+$			
631.3 *4*	1.0 *1*	1907.65		1276.54	3/2$^+$,5/2$^+$			
649.7 *3*	12.2 *12*	649.73	(9/2)$^+$	0.0	5/2$^+$	E2	0.00425 *6*	α=0.00425 *6*; α(K)=0.00363 *6*; α(L)=0.000490 *7*; α(M)=9.90×10^{-5} *14*; α(N+..)=2.22×10^{-5} *4* α(N)=1.99×10^{-5} *3*; α(O)=2.27×10^{-6} *4* Mult.: from adopted gammas.
660.2 *3*	3.0 *3*	1094.17		433.58	(9/2)$^+$			
685.3 *3*	0.5 *1*	938.21	3/2$^+$,5/2$^+$	252.73	3/2$^+$			
696.0 *3*	1.5 *2*	1006.52	3/2$^+$,5/2$^+$	310.58	5/2$^+$			
724.5 *3*	0.9 *1*	1035.33	3/2$^+$,5/2$^+$	310.58	5/2$^+$			
[x]743.2 *3*	0.7 *1*							
753.9 *3*	4.7 *5*	1006.52	3/2$^+$,5/2$^+$	252.73	3/2$^+$			
762.4 *3*	2.2 *3*	938.21	3/2$^+$,5/2$^+$	175.84	3/2$^+$			
772.8 *3*	2.0 *3*	906.02		132.87	7/2$^+$			
782.5 *3*	4.5 *6*	1035.33	3/2$^+$,5/2$^+$	252.73	3/2$^+$			
805.4 *4*	0.60 *15*	938.21	3/2$^+$,5/2$^+$	132.87	7/2$^+$			
809.0 *4*	4.1 *6*	1254.59		445.33	(7/2)$^+$			
818.4 *4*	0.7 *1*	1129.46		310.58	5/2$^+$			
824.6 *4*	1.2 *2*	1077.46	3/2$^+$,5/2$^+$	252.73	3/2$^+$			
830.9 *3*	3.3 *4*	1276.54	3/2$^+$,5/2$^+$	445.33	(7/2)$^+$			
842.5[c] *3*	5.8[c@] *7*	938.21	3/2$^+$,5/2$^+$	95.71	1/2$^+$			
842.5[cd] *3*	0.7[c@] *7*	1094.17		252.73	3/2$^+$			
857.6 *5*	1.1 *2*	1302.6		445.33	(7/2)$^+$			
[x]860.7 *5*	1.2 *2*							
866.0 *3*	3.8 *5*	961.99	1/2$^+$,3/2$^+$,5/2$^+$	95.71	1/2$^+$			

$^{121}_{53}I_{68}$-6

γ(^{121}I) (continued)

E_γ[†]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f
875.7 *4*	0.7 *1*	1186.31		310.58	5/2+
893.7 *4*	1.0 *1*	1339.31		445.33	(7/2)+
[x]899.3 *5*	0.4 *1*				
902.1 *5*	0.9 *2*	1035.33	3/2+,5/2+	132.87	7/2+
906.4 *4*	1.2 *2*	906.02		0.0	5/2+
911.1 *5*	1.5 *3*	1006.52	3/2+,5/2+	95.71	1/2+
913.4 *5*	0.8 *2*	1046.31		132.87	7/2+
918.7 *4*	0.80 *15*	1094.17		175.84	3/2+
931.0 *3*	10.6 *15*	930.76	3/2+,5/2+	0.0	5/2+
938.4 *5*	1.9 *4*	938.21	3/2+,5/2+	0.0	5/2+
939.8 *5*	3.1 *6*	1035.33	3/2+,5/2+	95.71	1/2+
944.7 *5*	2.4 *4*	1077.46	3/2+,5/2+	132.87	7/2+
947.3 *5*	0.9 *2*	2076.86		1129.46	
958.0 *3*	7.6 *8*	1964.56	3/2+,5/2+	1006.52	3/2+,5/2+
962.2 *4*	1.2 *2*	961.99	1/2+,3/2+,5/2+	0.0	5/2+
966.4 *4*	1.5 *3*	1276.54	3/2+,5/2+	310.58	5/2+
[x]978.7 *5*	0.9 *2*				
981.6 *5*	1.5 *3*	1077.46	3/2+,5/2+	95.71	1/2+
992.0 *4*	1.5 *2*	1302.6		310.58	5/2+
996.8 *3*	3.1 *4*	1129.46		132.87	7/2+
1006.1 *5*	1.3 *3*	1006.52	3/2+,5/2+	0.0	5/2+
1010.3 *5*	1.9 *4*	1186.31		175.84	3/2+
1023.9 *3*	8.8 *10*	1276.54	3/2+,5/2+	252.73	3/2+
1035.6 *3*	8.4 *10*	1035.33	3/2+,5/2+	0.0	5/2+
1046.6 *3*	4.3 *5*	1046.31		0.0	5/2+
1077.9 *5*	1.3 *3*	1077.46	3/2+,5/2+	0.0	5/2+
1082.8 *5*	4.0 *6*	3160.0		2076.86	
1094.2 *5*	1.7 *4*	1094.17		0.0	5/2+
[x]1096.3 *5*	1.0 *3*				
1113.3 *5*	1.1 *3*	1558.5		445.33	(7/2)+
1115.0 *5*	0.4 *1*	2076.86		961.99	1/2+,3/2+,5/2+
1122.2 *4*	1.3 *3*	1254.59		132.87	7/2+
[x]1128.1 *4*	1.3 *2*				
1143.1 *5*	1.4 *2*	2220.50		1077.46	3/2+,5/2+
1146.4 *5*	2.8 *5*	2076.86		930.76	3/2+,5/2+
1170.7 *4*	1.3 *3*	2076.86		906.02	
1181.1 *5*	2.6 *4*	1276.54	3/2+,5/2+	95.71	1/2+
1186.4 *5*	5.3 *8*	1186.31		0.0	5/2+
1202.2 *4*	0.5 *1*	3166.73		1964.56	3/2+,5/2+
1210.2 *4*	0.8 *2*	3398.49		2188.33	
1217.4 *4*	0.9 *2*	2223.65		1006.52	3/2+,5/2+
1229.8 *4*	2.1 *3*	3194.32		1964.56	3/2+,5/2+
1255.0 *6*	1.5 *5*	1254.59		0.0	5/2+

$^{121}_{53}I_{68}$-7

γ(^{121}I) (continued)

E_γ[†]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f
1258.4 *6*	1.3 *4*	2220.50		961.99	$1/2^+,3/2^+,5/2^+$
1261.3 *6*	1.0 *3*	2223.65		961.99	$1/2^+,3/2^+,5/2^+$
[x]1273.3 *4*	1.2 *2*				
1277.1 *4*	1.3 *2*	1276.54	$3/2^+,5/2^+$	0.0	$5/2^+$
1286.6 *4*	0.9 *2*	3194.32		1907.65	
[x]1306.8 *4*	1.0 *2*				
1314.3 *4*	0.8 *2*	2220.50		906.02	
1339.2 *3*	3.6 *5*	1339.31		0.0	$5/2^+$
1348.3 *4*	1.7 *3*	1793.46	$3/2^+,5/2^+$	445.33	$(7/2)^+$
[x]1358.4 *4*	1.4 *2*				
1365.0 *5*	1.7 *4*	3158.1		1793.46	$3/2^+,5/2^+$
1369.7 *5*	0.9 *2*	1679.95		310.58	$5/2^+$
1382.4 *4*	1.2 *2*	1558.5		175.84	$3/2^+$
1402.7 *5*	1.4 *2*	2588.91		1186.31	
1427.3 *4*	1.4 *2*	1679.95		252.73	$3/2^+$
1441.3 *4*	1.0 *2*	2780.75		1339.31	
1459.5 *5*	0.5 *1*	2588.91		1129.46	
1463.0 *5*	0.5 *1*	1558.5		95.71	$1/2^+$
1470.5 *5*	1.2 *3*	2809.9	$3/2^+,5/2^+$	1339.31	
1473.8 *5*	0.6 *1*	1907.65		433.58	$(9/2)^+$
1482.4 *4*	1.4 *2*	1793.46	$3/2^+,5/2^+$	310.58	$5/2^+$
1508.0 *4*	1.2 *3*	2847.5		1339.31	
1540.8 *4*	4.4 *6*	1793.46	$3/2^+,5/2^+$	252.73	$3/2^+$
1553.5 *4*	3.3 *4*	2588.91		1035.33	$3/2^+,5/2^+$
1560.4 *4*	1.6 *3*	2689.92		1129.46	
[x]1566.0 *5*	1.3 *3*				
1574.0 *4*	2.0 *4*	2223.65		649.73	$(9/2)^+$
1596.9 *5*	1.1 *2*	1907.65		310.58	$5/2^+$
1616.2 *4*	1.3 *2*	2892.8		1276.54	$3/2^+,5/2^+$
1631.5 *4*	4.5 *7*	2076.86		445.33	$(7/2)^+$
1653.8 *5*	0.60 *15*	1964.56	$3/2^+,5/2^+$	310.58	$5/2^+$
1656.7[&d] *20*	1.5[@] *5*	1907.65		252.73	$3/2^+$
1668.1 *4*	0.5 *1*	2797.58		1129.46	
1691.3 *5*	0.8 *2*	2220.50		529.24	$(9/2)^+$
[x]1695.5 *5*	0.6 *2*				
1703.5 *4*	1.2 *2*	2780.75		1077.46	$3/2^+,5/2^+$
[x]1710.2 *4*	1.7 *3*				
1728.5 *5*	0.7 *2*	3067.94		1339.31	
1731.8 *5*	1.5 *3*	1907.65		175.84	$3/2^+$
[x]1740.4 *4*	1.8 *3*				
1765.9 *4*	1.4 *3*	2076.86		310.58	$5/2^+$
1778.3 *5*	2.0 *4*	2223.65		445.33	$(7/2)^+$
1786.9 *4*	1.3 *3*	2220.50		433.58	$(9/2)^+$
1800.9 *4*	4.5 *7*	2739.21		938.21	$3/2^+,5/2^+$
1807.6 *4*	0.9 *2*	2994.1		1186.31	
1815.4 *4*	1.5 *3*	2892.8		1077.46	$3/2^+,5/2^+$
1820.6 *5*	0.8 *2*	3097.3		1276.54	$3/2^+,5/2^+$
1824.2 *5*	0.4 *1*	2076.86		252.73	$3/2^+$
1833.3 *5*	1.4 *3*	2739.21		906.02	
1835.5 *5*	2.5 *6*	2797.58		961.99	$1/2^+,3/2^+,5/2^+$
1854.9 *6*	0.8 *2*	3194.32		1339.31	
1858.1[d] *6*	1.2 *3*	3112.7		1254.59	
1864.5 *6*	0.6 *2*	2994.1		1129.46	
1869.1 *4*	1.0 *3*	1964.56	$3/2^+,5/2^+$	95.71	$1/2^+$
1878.0 *4*	0.8 *2*	2188.33		310.58	$5/2^+$
1890.0 *5*	0.8 *2*	2022.9?	$3/2^+,5/2^+$	132.87	$7/2^+$
1892.0 *5*	2.3 *5*	3194.32		1302.6	
1901.3 *4*	0.60 *15*	2076.86		175.84	$3/2^+$
1909.7 *4*	1.1 *2*	2220.50		310.58	$5/2^+$
1917.9 *4*	1.1 *2*	3194.32		1276.54	$3/2^+,5/2^+$
1927.6 *4*	1.5 *3*	2022.9?	$3/2^+,5/2^+$	95.71	$1/2^+$
1980.4 *4*	2.8 *5*	3166.73		1186.31	
1990.5 *4*	0.70 *15*	3067.94		1077.46	$3/2^+,5/2^+$
2012.3 *4*	2.0 *4*	2188.33		175.84	$3/2^+$
2022.5 *4*	1.2 *3*	2022.9?	$3/2^+,5/2^+$	0.0	$5/2^+$
2047.6 *4*	2.5 *5*	2223.65		175.84	$3/2^+$
2076.6 *4*	1.7 *4*	2076.86		0.0	$5/2^+$
2087.7 *5*	3.6 *7*	2220.50		132.87	$7/2^+$
2092.5 *5*	1.3 *4*	2188.33		95.71	$1/2^+$
2116.8 *5*	1.0 *3*	3194.32		1077.46	$3/2^+,5/2^+$
2122.2 *5*	1.4 *3*	3398.49		1276.54	$3/2^+,5/2^+$
2158.8 *4*	0.70 *15*	3194.32		1035.33	$3/2^+,5/2^+$
2212.6 *4*	2.0 *5*	2465.5	$3/2^+,5/2^+$	252.73	$3/2^+$
2228.5 *4*	0.8 *2*	3166.73		938.21	$3/2^+,5/2^+$
2256.6 *4*	1.4 *3*	2689.92		433.58	$(9/2)^+$
[x]2265.7 *4*	0.8 *2*				
2278.3 *4*	2.0 *5*	2588.91		310.58	$5/2^+$
[x]2302.7 *5*	0.7 *2*				
2320.5 *4*	1.6 *3*	3398.49		1077.46	$3/2^+,5/2^+$
2336.0 *5*	2.0 *5*	2588.91		252.73	$3/2^+$
2346.9 *5*	0.8 *2*	2780.75		433.58	$(9/2)^+$
[x]2365.8 *6*	0.7 *2*				
2370.0 *6*	0.9 *2*	2465.5	$3/2^+,5/2^+$	95.71	$1/2^+$
2379.0 *5*	0.5 *1*	2689.92		310.58	$5/2^+$
2412.9 *4*	1.8 *3*	2588.91		175.84	$3/2^+$
2418.4 *5*	1.0 *2*	3067.94		649.73	$(9/2)^+$

γ(^{121}I) (continued)

E_γ[†]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f	Comments
2428.6 *5*	5.6 *8*	2739.21		310.58	$5/2^+$	
[x]2434.2 *6*	1.1 *3*					
2462.8 *5*	1.00 *25*	3112.7		649.73	$(9/2)^+$	
2486.5 *5*	2.0 *4*	2739.21		252.73	$3/2^+$	
2493.4 *6*	0.7 *2*	2588.91		95.71	$1/2^+$	
[x]2495.7 *6*	0.6 *2*					
2510.4 *6*	2.6 *6*	3160.0		649.73	$(9/2)^+$	
2514.0 *6*	2.0 *5*	2689.92		175.84	$3/2^+$	
2528.4 *5*	1.1 *3*	2780.75		252.73	$3/2^+$	
2538.6 *5*	1.6 *4*	3067.94		529.24	$(9/2)^+$	
2544.7 *5*	8.5 *10*	2797.58		252.73	$3/2^+$	
2549.2 *6*	1.6 *3*	2994.1		445.33	$(7/2)^+$	
2569.3 *5*	1.7 *3*	2822.3		252.73	$3/2^+$	
2578.0 *5*	0.7 *2*	2830.6		252.73	$3/2^+$	
2589.1 *6*	2.4 *6*	2588.91		0.0	$5/2^+$	
2593.7 *6*	2.9 *6*	2904.5		310.58	$5/2^+$	
2605.0 *6*	0.50 *15*	2780.75		175.84	$3/2^+$	
[x]2607.6 *6*	0.50 *15*					
2621.7 *5*	6.2 *10*	2797.58		175.84	$3/2^+$	
2634.2[cd] *6*	1.5[c] *7*	2809.9	$3/2^+,5/2^+$	175.84	$3/2^+$	I_γ: The relative intensity of multiply placed gammas was estimated from γγ-coincidence spectra (1972Mu03).
2634.2[cd] *6*	1.5[c] *7*	3067.94		433.58	$(9/2)^+$	I_γ: The relative intensity of multiply placed gammas was estimated from γγ-coincidence spectra (1972Mu03).
2637.3 *6*	4.7 *9*	3166.73		529.24	$(9/2)^+$	
2643.4 *5*	17.5 *25*	2739.21		95.71	$1/2^+$	
2651.7 *6*	1.4 *3*	2904.5		252.73	$3/2^+$	
2664.6 *6*	1.4 *3*	2797.58		132.87	$7/2^+$	
2667.7 *6*	1.3 *3*	3112.7		445.33	$(7/2)^+$	
2672.0 *6*	1.1 *3*	2847.5		175.84	$3/2^+$	
2677.0 *6*	1.7 *4*	2809.9	$3/2^+,5/2^+$	132.87	$7/2^+$	
2689.6[cd] *5*	0.3[c] *3*	2689.92		0.0	$5/2^+$	I_γ: The relative intensity of multiply placed gammas was estimated from γγ-coincidence spectra (1972Mu03).
2689.6[c] *5*	1.6[c] *3*	2822.3		132.87	$7/2^+$	I_γ: The relative intensity of multiply placed gammas was estimated from γγ-coincidence spectra (1972Mu03).
2697.4 *6*	1.5 *3*	2830.6		132.87	$7/2^+$	
2700.8 *6*	0.8 *2*	3229.8		529.24	$(9/2)^+$	
2714.3 *6*	1.0 *3*	2809.9	$3/2^+,5/2^+$	95.71	$1/2^+$	
[x]2718.3 *6*	1.1 *3*					
2721.7 *6*	0.6 *2*	3166.73		445.33	$(7/2)^+$	
2728.9 *6*	0.5 *2*	2904.5		175.84	$3/2^+$	
2751.8 *5*	0.9 *2*	2847.5		95.71	$1/2^+$	
2757.2 *6*	0.4 *1*	3067.94		310.58	$5/2^+$	
2760.0 *6*	0.9 *2*	2892.8		132.87	$7/2^+$	

$^{121}_{53}$I$_{68}$-9

$\gamma(^{121}I)$ (continued)

E_γ[†]	I_γ[‡a]	E_i(level)	E_f	J^π_f	Comments
[x]2763.2 *6*	0.5 *2*				
2797.7 *4*	7.0 *10*	2797.58	0.0	5/2$^+$	
2808.6 *5*	0.50 *15*	2904.5	95.71	1/2$^+$	
2815.2 *6*	0.3 *1*	3067.94	252.73	3/2$^+$	
2818.1 *6*	0.3 *1*	2994.1	175.84	3/2$^+$	
2830.6 *5*	1.00 *25*	2830.6	0.0	5/2$^+$	
2847.5[cd] *6*	0.20[c] *15*	2847.5	0.0	5/2$^+$	I_γ: The relative intensity of multiply placed gammas was estimated from $\gamma\gamma$-coincidence spectra (1972Mu03).
2847.5[cd] *6*	0.20[c] *15*	3158.1	310.58	5/2$^+$	I_γ: The relative intensity of multiply placed gammas was estimated from $\gamma\gamma$-coincidence spectra (1972Mu03).
2849.9 *6*	0.3 *1*	3160.0	310.58	5/2$^+$	
[x]2926.6 *5*	0.50 *15*				
2936.5 *5*	0.50 *15*	3112.7	175.84	3/2$^+$	
2941.4 *5*	0.9 *3*	3194.32	252.73	3/2$^+$	
[x]2950.8 *6*	0.40 *15*				
2953.2 *6*	0.7 *2*	3398.49	445.33	(7/2)$^+$	
2964.5 *5*	1.5 *3*	3097.3	132.87	7/2$^+$	
2977.0 *5*	0.6 *2*	3229.8	252.73	3/2$^+$	
2980.1 *6*	0.3 *1*	3112.7	132.87	7/2$^+$	
2984.0 *6*	0.5 *2*	3160.0	175.84	3/2$^+$	
2994.1 *6*	0.3 *1*	2994.1	0.0	5/2$^+$	
[x]2996.6 *6*	0.3 *1*				
3024.9 *5*	0.40 *15*	3158.1	132.87	7/2$^+$	
3034.0 *5*	0.9 *3*	3166.73	132.87	7/2$^+$	
[x]3052.1 *5*	0.6 *2*				
3070.6 *5*	0.50 *15*	3166.73	95.71	1/2$^+$	
3097.2[cd] *5*	0.20[c] *15*	3097.3	0.0	5/2$^+$	I_γ: The relative intensity of multiply placed gammas was estimated from $\gamma\gamma$-coincidence spectra (1972Mu03).
3097.2[cd] *5*	0.20[c] *15*	3229.8	132.87	7/2$^+$	I_γ: The relative intensity of multiply placed gammas was estimated from $\gamma\gamma$-coincidence spectra (1972Mu03).
[x]3126.4 *5*	0.50 *15*				
3146.1 *5*	0.60 *15*	3398.49	252.73	3/2$^+$	
3159.8 *5*	1.7 *4*	3160.0	0.0	5/2$^+$	
3229.5 *5*	0.40 *15*	3229.8	0.0	5/2$^+$	

[†] From 1972Mu03.

[‡] From 1972Mu03. $I\gamma$ are relative to $I(252.7\gamma)=100$.

[#] From α(K)exp, α(L)exp, unless noted otherwise; multipolarities of the following γ's were assumed to deduce α: [M1]: 77.0γ; and [E2]: 192.6γ, 214.6γ.

[@] Transition intensities of multiply placed gammas and doublet shown in their decay scheme by 1972Mu03 were estimated from $\gamma\gamma$-coincidence (1972Mu03).

[&] Possible doublet.

[a] For absolute intensity per 100 decays, multiply by 0.126 *12*.

[b] Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies,

$\gamma(^{121}I)$ (continued)

assigned multipolarities, and mixing ratios, unless otherwise specified.

[c] Multiply placed with intensity suitably divided.

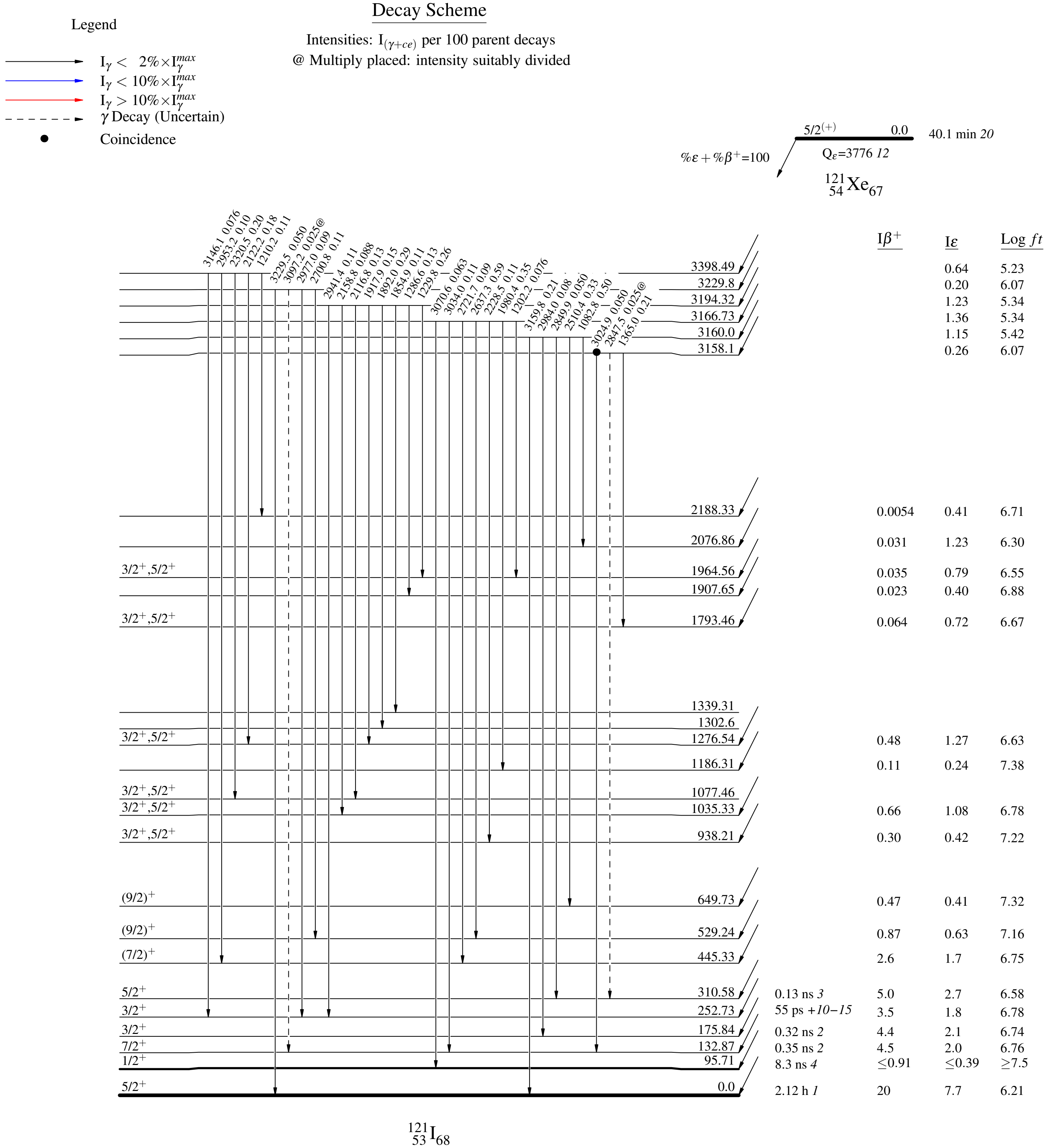
[d] Placement of transition in the level scheme is uncertain.

[x] γ ray not placed in level scheme.

^{121}Xe ε decay 1972Mu03,1971Ho02

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



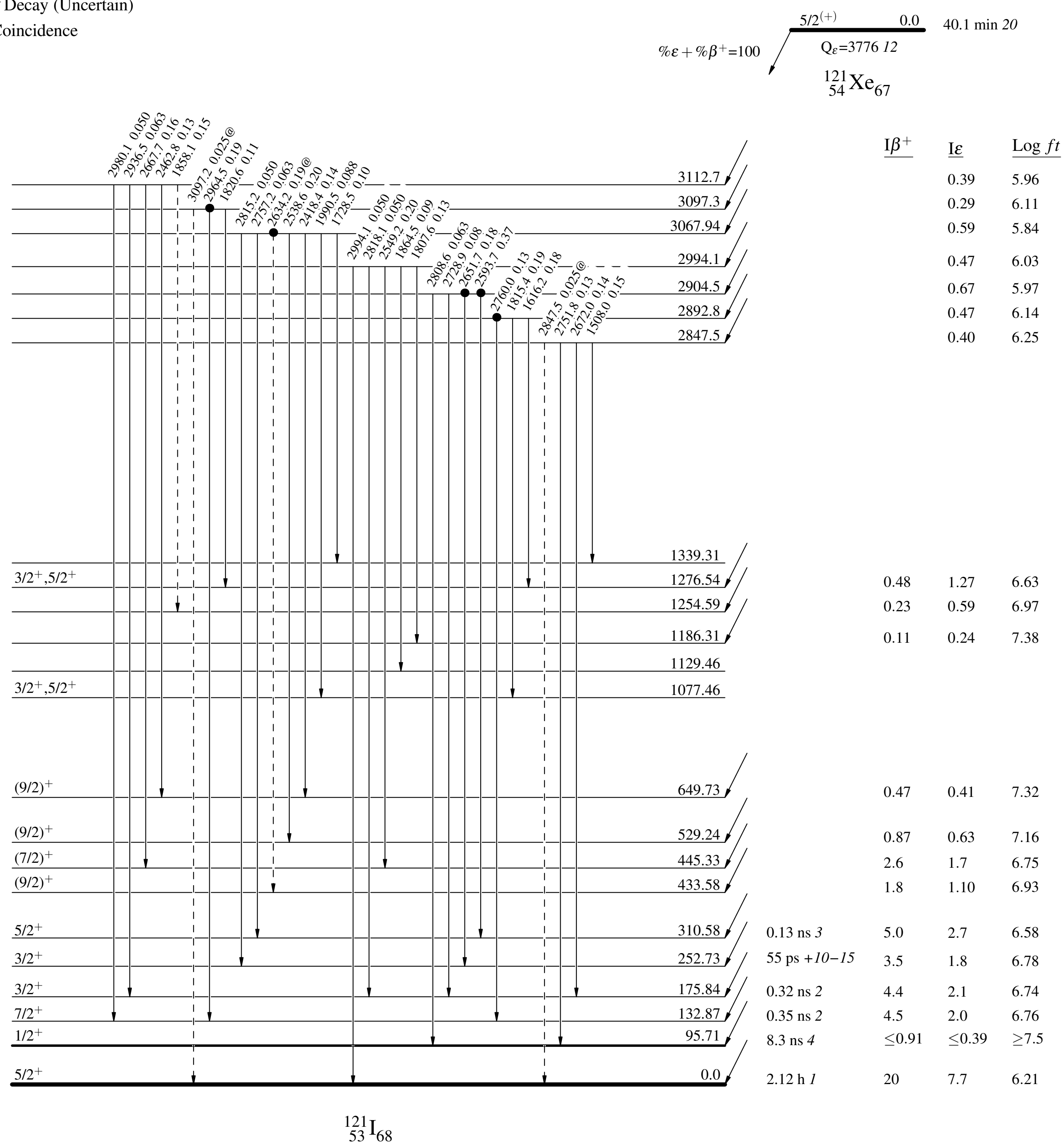
^{121}Xe ε decay 1972Mu03,1971Ho02

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided

Legend

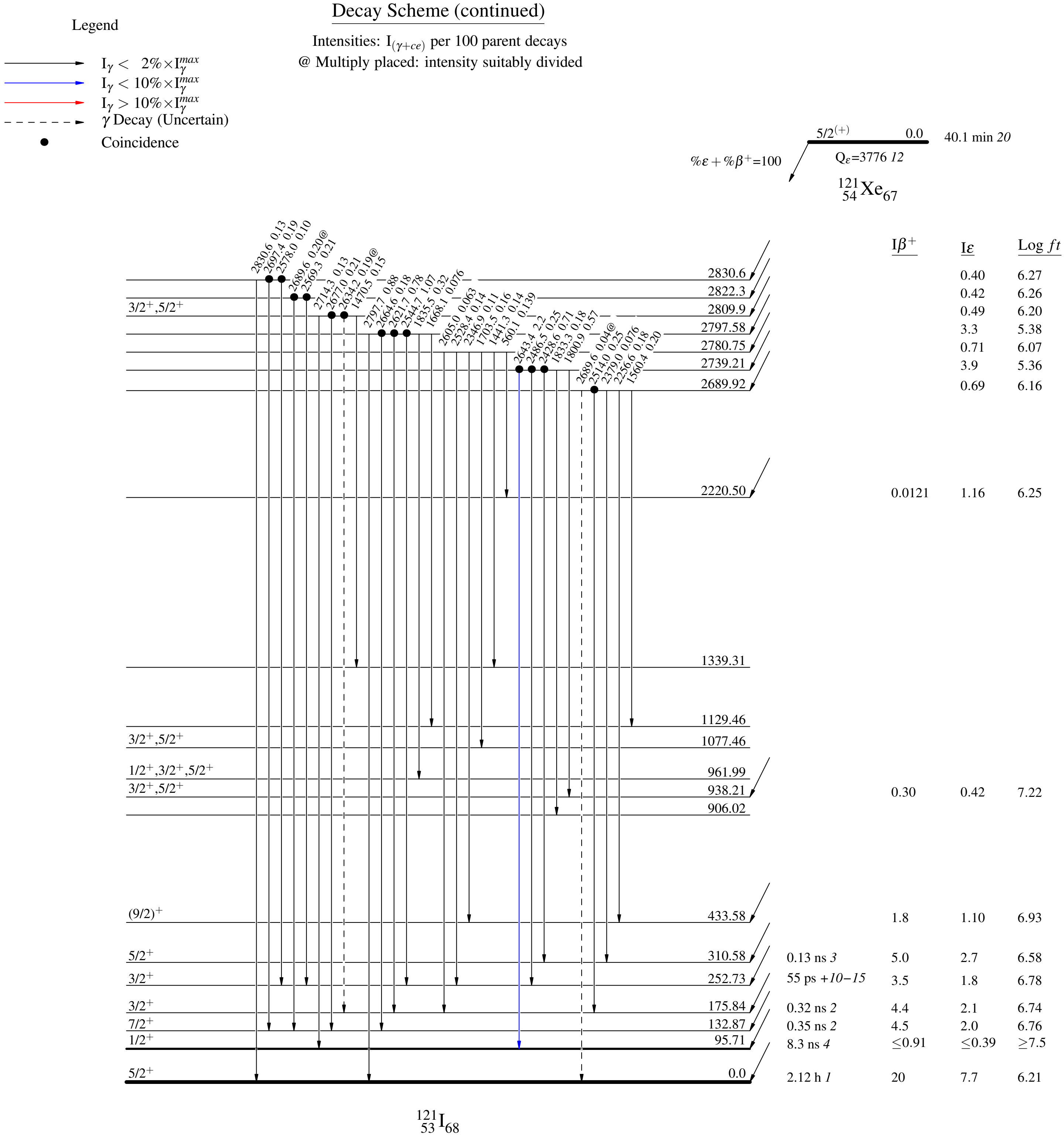
- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$
- γ Decay (Uncertain)
- Coincidence



^{121}Xe ε decay 1972Mu03,1971Ho02

Decay Scheme (continued)

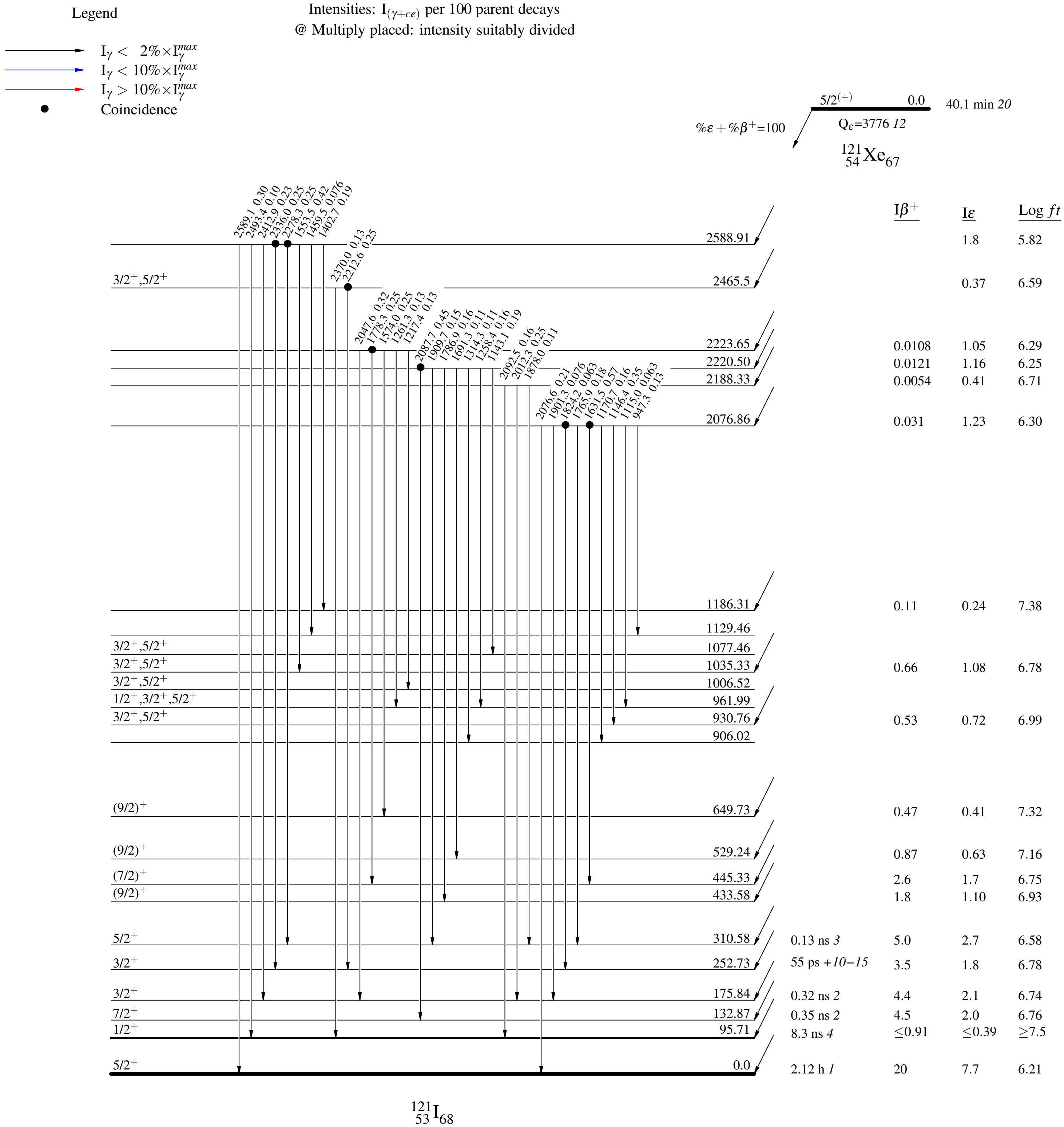
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



^{121}Xe ε decay 1972Mu03,1971Ho02

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



^{121}Xe ε decay 1972Mu03,1971Ho02

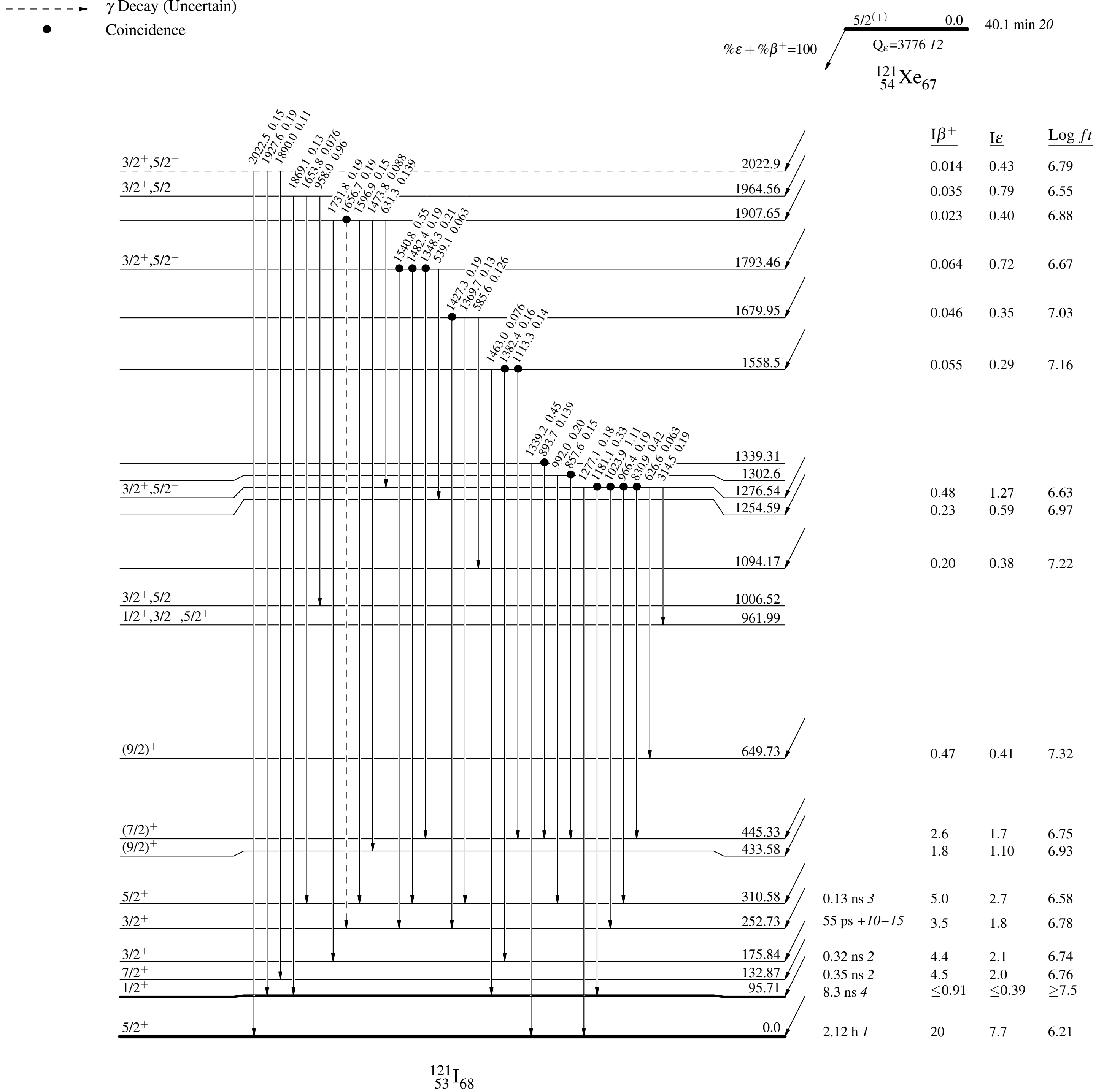
Decay Scheme (continued)

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

@ 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)
- Coincidence

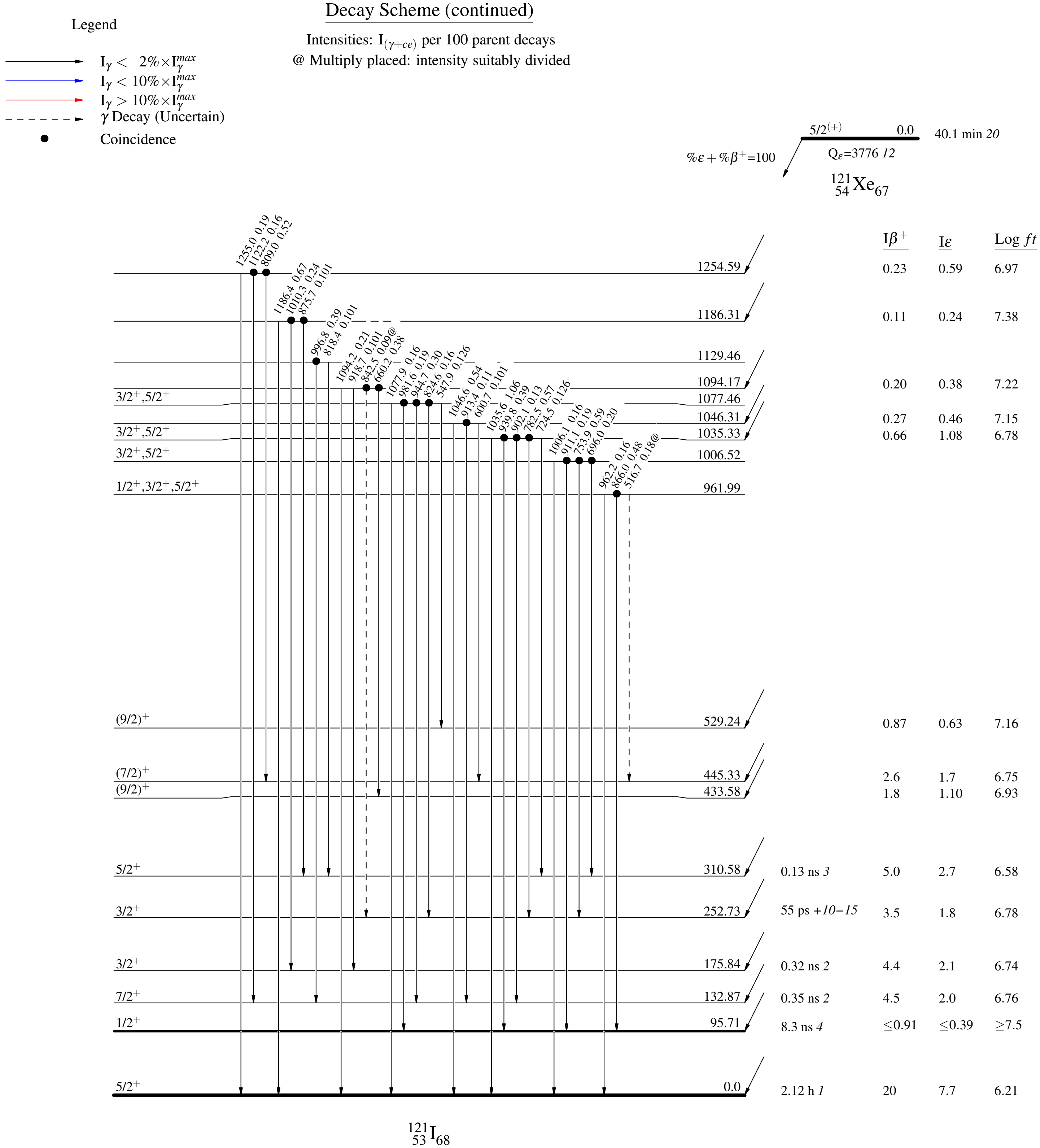


^{121}Xe ε decay 1972Mu03,1971Ho02

Decay Scheme (continued)

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

@ Multiply placed: intensity suitably divided



^{121}Xe ε decay 1972Mu03,1971Ho02

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided