^{107}Ru β^- decay 1986Ka43

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 109, 1383 (2008)	1-Mar-2008

Parent: ^{107}Ru: E=0.0; J$^\pi$=(5/2)$^+$; $T_{1/2}$=3.75 min *5*; Q(β^-)=2.94×10^3 *12*; %β^- decay=100.0
The level scheme is mainly from 1986Ka43.
1986Ka43: measured γ, $\gamma\gamma$, $\gamma\gamma$(t).
Others: 1969WiZX, 1971Ri02.
Sources: ^{235}U, ^{239}Pu(n,F) E=th, ^{238}U(n,F) E=fast, rapid Ru chem (1978Fr16).

^{107}Rh Levels

See drawings for partial decay scheme based on $\beta\gamma$, $\gamma\gamma$ coin (1962Pi02), and Eγ fits.

E(level)	J$^\pi$†	$T_{1/2}$
0.0	7/2$^+$	21.7 min *4*
194.05 *3*	9/2$^+$	
268.36 *4*	1/2$^-$	>10 μs
374.28 *3*	(3/2$^+$)	15 ns *2*
384.82 *5*	(1/2$^+$)	
405.80 *3*	(3/2$^+$)	
462.61 *3*	5/2$^+$	
485.66 *6*	3/2$^-$	
543.84 *6*	(5/2$^-$)	
559.97 *6*	(5/2$^+$,7/2$^+$,9/2$^-$)	
568.90 *3*	(7/2$^+$)	
588.92 *4*	(3/2$^+$,5/2$^+$)	
680.00 *5*		
683.10 *3*	(7/2$^+$)	
752.55 *9*	3/2$^-$	
877.75 *10*	5/2$^-$	
911.99 *10*	($^+$)	
948.12 *6*		
953.48 *7*	(9/2$^+$)	
974.44 *11*	(3/2$^-$,5/2$^-$,7/2$^-$)	
1009.76 *9*	(3/2$^-$,5/2$^-$)	
1041.95 *3*	(5/2$^+$,7/2$^+$)	
1272.20 *3*	5/2$^+$,7/2$^+$	
1306.43 *3*	(5/2$^+$,7/2$^+$)	
1386.36 *5*	1/2$^-$,3/2$^-$	
1639.07 *5*	(1/2$^-$,3/2$^-$)	
1863.10 *6*	(5/2$^+$,7/2$^+$)	
2020.51 *11*		
2054.20 *8*	(3/2$^+$,5/2$^+$,7/2$^+$)	
2115.42 *11*		
2177.98 *16*		
2207.68 *17*		
2249.68 *7*	(5/2,7/2)$^+$	
2303.40 *14*	(3/2$^+$,5/2$^+$)	
2331.08 *14*	(3/2$^+$,5/2$^+$,7/2$^+$)	
2510.00 *15*	(5/2$^+$,7/2$^+$)	

† From Adopted Levels.

β^- radiations

Q(β^-)=3150 *300* from Eβ=2100 to 1042 level (1962Pi02), and Q(β^-)=2900 *135* (1989Gr23).

E(decay)	E(level)	Iβ^-†‡	Log *ft*	Comments
(4.3×10^2 *12*)	2510.00	0.091 *16*	5.5 *5*	av Eβ=130 *43*
(6.1×10^2 *12*)	2331.08	0.22 *6*	5.6 *4*	av Eβ=195 *46*
(6.4×10^2 *12*)	2303.40	0.26 *6*	5.6 *4*	av Eβ=206 *47*
(6.9×10^2 *12*)	2249.68	0.47 *6*	5.5 *3*	av Eβ=226 *47*
(7.3×10^2 *12*)	2207.68	0.125 *19*	6.1 *3*	av Eβ=243 *48*
(7.6×10^2 *12*)	2177.98	0.136 *23*	6.1 *3*	av Eβ=254 *48*
(8.2×10^2 *12*)	2115.42	0.19 *3*	6.1 *3*	av Eβ=279 *49*
(8.9×10^2 *12*)	2054.20	0.7 *1*	5.67 *24*	av Eβ=304 *50*
(9.2×10^2 *12*)	2020.51	0.22 *3*	6.24 *23*	av Eβ=318 *50*
(1.08×10^3 *12*)	1863.10	0.88 *11*	5.89 *20*	av Eβ=383 *51*
(1.30×10^3 *12*)	1639.07	0.75 *9*	6.27 *17*	av Eβ=478 *53*

Continued on next page (footnotes at end of table)

^{107}Ru β^- decay 1986Ka43 (continued)

β^- radiations (continued)

E(decay)	E(level)	Iβ^- †‡	Log *ft*	Comments
(1.55×10^3 *12*)	1386.36	<0.06	>7.7	av Eβ=589 *54*
(1.63×10^3 *12*)	1306.43	4.0 *5*	5.93 *15*	av Eβ=625 *54*
(1.67×10^3 *12*)	1272.20	7.1 *8*	5.72 *14*	av Eβ=640 *54*
(1.90×10^3 *12*)	1041.95	11.3 *13*	5.74 *13*	av Eβ=744 *55*
(1.93×10^3 *12*)	1009.76	0.045 *15*	8.17 *19*	av Eβ=759 *55*
(1.97×10^3 *12*)	974.44	0.074 *12*	7.99 *14*	av Eβ=775 *55*
(1.99×10^3 *12*)	953.48	<0.09	>7.9	av Eβ=784 *55*
(1.99×10^3 *12*)	948.12	<0.09	>7.7	av Eβ=787 *55*
(2.03×10^3 *12*)	911.99	0.24 *10*	7.53 *21*	av Eβ=803 *55*
(2.06×10^3 *12*)	877.75	0.15 *7*	7.76 *23*	av Eβ=819 *56*
(2.19×10^3 *12*)	752.55	0.097 *18*	8.06 *13*	av Eβ=877 *56*
(2.26×10^3 *12*)	683.10	1.8 *3*	6.84 *13*	av Eβ=909 *56*
(2.26×10^3 *12*)	680.00	0.062 *25*	8.31 *20*	av Eβ=910 *56*
(2.35×10^3 *12*)	588.92	0.29 *8*	7.71 *16*	av Eβ=952 *56*
(2.37×10^3 *12*)	568.90	0.2 *3*	7.9 *7*	av Eβ=961 *56*
(2.38×10^3 *12*)	559.97	0.12 *2*	8.12 *12*	av Eβ=966 *56*
(2.40×10^3 *12*)	543.84	0.17 *4*	7.98 *14*	av Eβ=973 *56*
(2.45×10^3 *12*)	485.66	0.23 *5*	7.89 *13*	av Eβ=1000 *56*
(2.48×10^3 *12*)	462.61	<0.6	>7.5	av Eβ=1011 *56*
(2.53×10^3 *12*)	405.80	0.58 *20*	7.55 *18*	av Eβ=1037 *56*
(2.57×10^3 *12*)	374.28	<1	>7.3	av Eβ=1052 *56*
(2.67×10^3 *12*)	268.36	<0.40	>9.1^{1u}	av Eβ=1100 *56*
(2.75×10^3 *12*)	194.05	<2.0	>7.2	av Eβ=1136 *57*
(2.94×10^3 *12*)	0.0	68 *4*	5.75 *8*	av Eβ=1227 *57*

† Calculated from I(γ+ce) imbalances at each level.

‡ Absolute intensity per 100 decays.

γ(^{107}Rh)

Iγ normalization: absolute Iγ(194γ)=10.6% 10 (1975Fe12) calibrated via absolute Iγ(303γ,^{107}Pd)=66% (1962Pi02,1969Gr18).
Semi γ-singles measurements of 1978Fr16 are listed; Iγ determined for strong peaks only are confirmed by 1975Fe12.

E_γ	I_γ [#]	E_i(level)	J^π_i	E_f	J^π_f	Mult. [†]	α [@]	$I_{(\gamma+ce)}$ [#]	Comments
(10.54 6)		384.82	(1/2$^+$)	374.28	(3/2$^+$)	[M1]	34.4	6 2	α(L)= 27.6; α(M)= 5.13 $I_{(\gamma+ce)}$: from $\gamma\gamma$. Eγ from level energy differences.
(31.52 4)		405.80	(3/2$^+$)	374.28	(3/2$^+$)	[M1]	9.79	1.2 6	α(K)= 8.49; α(L)= 1.045; α(M)= 0.1947 $I_{(\gamma+ce)}$: from $\gamma\gamma$. Eγ from level energy differences.
56.81 5	6.5 4	462.61	5/2$^+$	405.80	(3/2$^+$)	[M1]	1.739		α(K)= 1.512; α(L)= 0.1859; α(M)= 0.0345; α(N+..)=0.00673
58.18 5	0.3 1	543.84	(5/2$^-$)	485.66	3/2$^-$	[M1]	1.622		α(K)= 1.410; α(L)= 0.1734; α(M)= 0.0322; α(N+..)=0.00628
88.3 1	0.4 1	462.61	5/2$^+$	374.28	(3/2$^+$)	[M1]	0.491		α(K)= 0.427; α(L)= 0.0521; α(M)=0.00968; α(N+..)=0.00189
93.8 1	0.4 1	1041.95	(5/2$^+$,7/2$^+$)	948.12		[M1]	0.414		α(K)= 0.360; α(L)= 0.0438; α(M)=0.00815; α(N+..)=0.00159
105.92 5	4.9 4	374.28	(3/2$^+$)	268.36	1/2$^-$	[E1]	0.1239		α(K)= 0.1082; α(L)=0.01290; α(M)=0.00236; α(N+..)=0.00044
106.3 1	0.6 1	568.90	(7/2$^+$)	462.61	5/2$^+$	[M1]	0.291		α(K)= 0.253; α(L)= 0.0308; α(M)=0.00572; α(N+..)=0.00112
116.45 5	2.9 3	384.82	(1/2$^+$)	268.36	1/2$^-$	[E1]	0.0944		α(K)= 0.0825; α(L)=0.00977; α(M)=0.00179; α(N+..)=0.00034
183.1 1	0.8 1	588.92	(3/2$^+$,5/2$^+$)	405.80	(3/2$^+$)	[M1]	0.0657		α(K)= 0.0573; α(L)=0.00686; α(M)=0.00127; α(N+..)=0.00025
194.05 5	186 20	194.05	9/2$^+$	0.0	7/2$^+$	[M1]	0.0563		α(K)= 0.0491; α(L)=0.00587; α(M)=0.00109; α(N+..)=0.00021
194.64 5	15 3	568.90	(7/2$^+$)	374.28	(3/2$^+$)	[E2]	0.0559		α(K)= 0.0487; α(L)=0.00582; α(M)=0.00108; α(N+..)=0.00021
204.09 5	6.3 4	588.92	(3/2$^+$,5/2$^+$)	384.82	(1/2$^+$)	[E2]	0.1064		α(K)= 0.0897; α(L)=0.01366; α(M)=0.00255; α(N+..)=0.00047
214.66 5	4.0 3	588.92	(3/2$^+$,5/2$^+$)	374.28	(3/2$^+$)	[M1]	0.0431		α(K)= 0.0376; α(L)=0.00448; α(M)=0.00083; α(N+..)=0.00016
217.30 5	6.6 4	485.66	3/2$^-$	268.36	1/2$^-$	[M1]	0.0418		α(K)= 0.0365; α(L)=0.00433; α(M)=0.00080; α(N+..)=0.00016
220.49 5	10 1	683.10	(7/2$^+$)	462.61	5/2$^+$	[M1]	0.0402		α(K)= 0.0351; α(L)=0.00417; α(M)=0.00077; α(N+..)=0.00015
230.26 5	2.5 2	1272.20	5/2$^+$,7/2$^+$	1041.95	(5/2$^+$,7/2$^+$)	[M1]	0.0359		α(K)= 0.0313; α(L)=0.00372; α(M)=0.00069; α(N+..)=0.00013
252.70 5	2.2 2	1639.07	(1/2$^-$,3/2$^-$)	1386.36	1/2$^-$,3/2$^-$	[M1]	0.0281		α(K)=0.02457; α(L)=0.00291; α(M)=0.00054; α(N+..)=0.00011
257.2 1	0.8 1	1009.76	(3/2$^-$,5/2$^-$)	752.55	3/2$^-$				
265.0 1	1.2 2	948.12		683.10	(7/2$^+$)				

γ(^{107}Rh) (continued)

E_γ	I_γ[#]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	α[@]	Comments
266.8 2	0.3 1	752.55	3/2$^-$	485.66	3/2$^-$			
268.36 5	23 3	268.36	1/2$^-$	0.0	7/2$^+$	[E3]	0.1727	α(K)= 0.1374; α(L)= 0.0288; α(M)=0.00548; α(N+..)=0.00100
268.5[‡] 3	6[‡] 2	462.61	5/2$^+$	194.05	9/2$^+$	[E2]	0.0410	α(K)= 0.0350; α(L)=0.00492; α(M)=0.00092; α(N+..)=0.00017
275.48 5	4.9 4	543.84	(5/2$^-$)	268.36	1/2$^-$	[E2]	0.0376	α(K)= 0.0321; α(L)=0.00448; α(M)=0.00084; α(N+..)=0.00016
333.9 1	1.7 2	877.75	5/2$^-$	543.84	(5/2$^-$)			
358.5[‡] 5	2[‡] 1	1306.43	(5/2$^+$,7/2$^+$)	948.12				
358.8 2	6 2	1041.95	(5/2$^+$,7/2$^+$)	683.10	(7/2$^+$)			
360.22 5	12.3 7	1272.20	5/2$^+$,7/2$^+$	911.99	($^+$)	[M1]	0.01141	α(K)=0.00997; α(L)=0.00117; α(M)=0.00022
364.5 1	0.9 2	953.48	(9/2$^+$)	588.92	(3/2$^+$,5/2$^+$)			
365.9 1	2.9 2	559.97	(5/2$^+$,7/2$^+$,9/2$^-$)	194.05	9/2$^+$			
374.28 5	56 8	374.28	(3/2$^+$)	0.0	7/2$^+$	[E2]	0.01371	α(K)=0.01183; α(L)=0.00154; α(M)=0.00029
374.9 1	14 3	568.90	(7/2$^+$)	194.05	9/2$^+$	[M1]	0.01033	α(K)=0.00903; α(L)=0.00106; α(M)=0.00020
384.5[‡] 5	0.1[‡] 1	953.48	(9/2$^+$)	568.90	(7/2$^+$)			
392.1[‡] 5	0.7[‡] 3	877.75	5/2$^-$	485.66	3/2$^-$			
394.41 5	7.4 4	1306.43	(5/2$^+$,7/2$^+$)	911.99	($^+$)			
394.7 3	0.4 2	588.92	(3/2$^+$,5/2$^+$)	194.05	9/2$^+$			
405.80 5	40 3	405.80	(3/2$^+$)	0.0	7/2$^+$	[E2]	0.01063	α(K)=0.00919; α(L)=0.00118; α(M)=0.00022
430.6 1	1.1 1	974.44	(3/2$^-$,5/2$^-$,7/2$^-$)	543.84	(5/2$^-$)			
462.61 5	69 4	462.61	5/2$^+$	0.0	7/2$^+$			
476.8 1	1.8 2	1863.10	(5/2$^+$,7/2$^+$)	1386.36	1/2$^-$,3/2$^-$			
484.2 1	2.2 2	752.55	3/2$^-$	268.36	1/2$^-$			
485.95 5	5.5 3	680.00		194.05	9/2$^+$			
488.7 5	0.2 1	974.44	(3/2$^-$,5/2$^-$,7/2$^-$)	485.66	3/2$^-$			
489.05 5	25 2	683.10	(7/2$^+$)	194.05	9/2$^+$			
524.1 1	0.3 1	1009.76	(3/2$^-$,5/2$^-$)	485.66	3/2$^-$			
560.0 1	0.5 1	559.97	(5/2$^+$,7/2$^+$,9/2$^-$)	0.0	7/2$^+$			
568.89 5	8.0 5	568.90	(7/2$^+$)	0.0	7/2$^+$			
579.36 5	46 2	1041.95	(5/2$^+$,7/2$^+$)	462.61	5/2$^+$			
588.9 1	1.2 1	588.92	(3/2$^+$,5/2$^+$)	0.0	7/2$^+$			
592.2 1	2.7 2	1272.20	5/2$^+$,7/2$^+$	680.00				
597.1 1	0.6 2	1639.07	(1/2$^-$,3/2$^-$)	1041.95	(5/2$^+$,7/2$^+$)			
609.4 2	1 1	877.75	5/2$^-$	268.36	1/2$^-$			
626.4 1	1.7 2	1306.43	(5/2$^+$,7/2$^+$)	680.00				
636.10 5	4.5 3	1041.95	(5/2$^+$,7/2$^+$)	405.80	(3/2$^+$)			
683.11 5	10 1	683.10	(7/2$^+$)	0.0	7/2$^+$			
683.3 3	2 1	1272.20	5/2$^+$,7/2$^+$	588.92	(3/2$^+$,5/2$^+$)			
690.9 2	1.1 2	1639.07	(1/2$^-$,3/2$^-$)	948.12				
703.30 5	18 1	1272.20	5/2$^+$,7/2$^+$	568.90	(7/2$^+$)			
712.3 1	0.8 1	1272.20	5/2$^+$,7/2$^+$	559.97	(5/2$^+$,7/2$^+$,9/2$^-$)			
717.5 1	3.5 3	1306.43	(5/2$^+$,7/2$^+$)	588.92	(3/2$^+$,5/2$^+$)			
718.0 5	1 1	911.99	($^+$)	194.05	9/2$^+$			
727.1 1	1.2 1	1639.07	(1/2$^-$,3/2$^-$)	911.99	($^+$)			

γ(^{107}Rh) (continued)

E_γ	I_γ#	E_i(level)	J^π_i	E_f	J^π_f
737.55 5	17 1	1306.43	(5/2$^+$,7/2$^+$)	568.90	(7/2$^+$)
746.4 1	0.5 1	1306.43	(5/2$^+$,7/2$^+$)	559.97	(5/2$^+$,7/2$^+$,9/2$^-$)
759.5 1	1.6 1	953.48	(9/2$^+$)	194.05	9/2$^+$
809.57 5	7.6 5	1272.20	5/2$^+$,7/2$^+$	462.61	5/2$^+$
821.1 1	3.7 5	1863.10	(5/2$^+$,7/2$^+$)	1041.95	(5/2$^+$,7/2$^+$)
843.9 1	10.6 6	1306.43	(5/2$^+$,7/2$^+$)	462.61	5/2$^+$
847.93 5	100 5	1041.95	(5/2$^+$,7/2$^+$)	194.05	9/2$^+$
866.5 1	1.3 1	1272.20	5/2$^+$,7/2$^+$	405.80	(3/2$^+$)
897.9 1	14.0 8	1272.20	5/2$^+$,7/2$^+$	374.28	(3/2$^+$)
912.0 1	29.2 9	911.99	($^+$)	0.0	7/2$^+$
924.0 5	0.7 3	1386.36	1/2$^-$,3/2$^-$	462.61	5/2$^+$
932.1 1	13 1	1306.43	(5/2$^+$,7/2$^+$)	374.28	(3/2$^+$)
948.1 1	7.2 6	948.12		0.0	7/2$^+$
951.2 1	2.8 5	1863.10	(5/2$^+$,7/2$^+$)	911.99	($^+$)
956.0 2	1.2 2	1639.07	(1/2$^-$,3/2$^-$)	683.10	(7/2$^+$)
980.6 1	2.6 3	1386.36	1/2$^-$,3/2$^-$	405.80	(3/2$^+$)
1041.95 5	48 2	1041.95	(5/2$^+$,7/2$^+$)	0.0	7/2$^+$
1050.3 2	0.9 2	1639.07	(1/2$^-$,3/2$^-$)	588.92	(3/2$^+$,5/2$^+$)
1067.0 2	0.8 1	2020.51		953.48	(9/2$^+$)
1078.12 5	14.8 9	1272.20	5/2$^+$,7/2$^+$	194.05	9/2$^+$
1106.0 5	0.8 4	2054.20	(3/2$^+$,5/2$^+$,7/2$^+$)	948.12	
1112.4 1	2.9 3	1306.43	(5/2$^+$,7/2$^+$)	194.05	9/2$^+$
1142.2 1	2.1 2	2054.20	(3/2$^+$,5/2$^+$,7/2$^+$)	911.99	($^+$)
1161.9 2	0.6 1	2115.42		953.48	(9/2$^+$)
1167.3 1	2.7 3	2115.42		948.12	
1176.5 2	1.1 2	1639.07	(1/2$^-$,3/2$^-$)	462.61	5/2$^+$
1272.20 5	48 3	1272.20	5/2$^+$,7/2$^+$	0.0	7/2$^+$
1293.7 5	0.3 2	2303.40	(3/2$^+$,5/2$^+$)	1009.76	(3/2$^-$,5/2$^-$)
1294.0 5	0.6 4	1863.10	(5/2$^+$,7/2$^+$)	568.90	(7/2$^+$)
1296.3 2	1.4 2	2249.68	(5/2,7/2)$^+$	953.48	(9/2$^+$)
1306.43 5	12 1	1306.43	(5/2$^+$,7/2$^+$)	0.0	7/2$^+$
1386.3 1	1.2 2	1386.36	1/2$^-$,3/2$^-$	0.0	7/2$^+$
1425.6 3	0.8 2	2303.40	(3/2$^+$,5/2$^+$)	877.75	5/2$^-$
1445.0 1	3.9 3	1639.07	(1/2$^-$,3/2$^-$)	194.05	9/2$^+$
1558.0 2	1.8 2	2020.51		462.61	5/2$^+$
1566.7 2	3.7 3	2249.68	(5/2,7/2)$^+$	683.10	(7/2$^+$)
1589.1 3	0.8 2	2177.98		588.92	(3/2$^+$,5/2$^+$)
1591.6 1	8.1 6	2054.20	(3/2$^+$,5/2$^+$,7/2$^+$)	462.61	5/2$^+$
1639.0 2	1.0 2	1639.07	(1/2$^-$,3/2$^-$)	0.0	7/2$^+$
1648.0 5	1.0 5	2331.08	(3/2$^+$,5/2$^+$,7/2$^+$)	683.10	(7/2$^+$)
1648.4 3	1.4 5	2054.20	(3/2$^+$,5/2$^+$,7/2$^+$)	405.80	(3/2$^+$)
1669.0 2	2.3 2	1863.10	(5/2$^+$,7/2$^+$)	194.05	9/2$^+$
1692.5 5	0.2 1	2177.98		485.66	3/2$^-$

From ENSDF

^{107}Ru β^- decay 1986Ka43 (continued)

γ(^{107}Rh) (continued)

E_γ	I_γ[#]	E_i(level)	J_i^π	E_f	J_f^π
1772.1 *2*	1.4 *2*	2177.98		405.80	(3/2$^+$)
1817.7 *3*	0.4 *1*	2303.40	(3/2$^+$,5/2$^+$)	485.66	3/2$^-$
1826.5 *3*	0.6 *2*	2020.51		194.05	9/2$^+$
1863.0 *1*	4.3 *4*	1863.10	(5/2$^+$,7/2$^+$)	0.0	7/2$^+$
1868.5 *2*	1.0 *2*	2331.08	(3/2$^+$,5/2$^+$,7/2$^+$)	462.61	5/2$^+$
1897.6 *2*	1.6 *2*	2303.40	(3/2$^+$,5/2$^+$)	405.80	(3/2$^+$)
1929.0 *5*	1.4 *7*	2303.40	(3/2$^+$,5/2$^+$)	374.28	(3/2$^+$)
2013.5 *3*	1.0 *2*	2207.68		194.05	9/2$^+$
2020.4 *2*	0.7 *1*	2020.51		0.0	7/2$^+$
2055.5 *1*	1.9 *2*	2249.68	(5/2,7/2)$^+$	194.05	9/2$^+$
2207.7 *2*	1.2 *1*	2207.68		0.0	7/2$^+$
2249.7 *1*	1.2 *1*	2249.68	(5/2,7/2)$^+$	0.0	7/2$^+$
2316.0 *2*	0.9 *2*	2510.00	(5/2$^+$,7/2$^+$)	194.05	9/2$^+$
2331.0 *2*	1.9 *2*	2331.08	(3/2$^+$,5/2$^+$,7/2$^+$)	0.0	7/2$^+$
2509.9 *2*	0.7 *1*	2510.00	(5/2$^+$,7/2$^+$)	0.0	7/2$^+$

† Assignments are from the authors and are assumed values based upon adopted J$^\pi$ values.

‡ From $\gamma\gamma$.

For absolute intensity per 100 decays, multiply by 0.053 *7*.

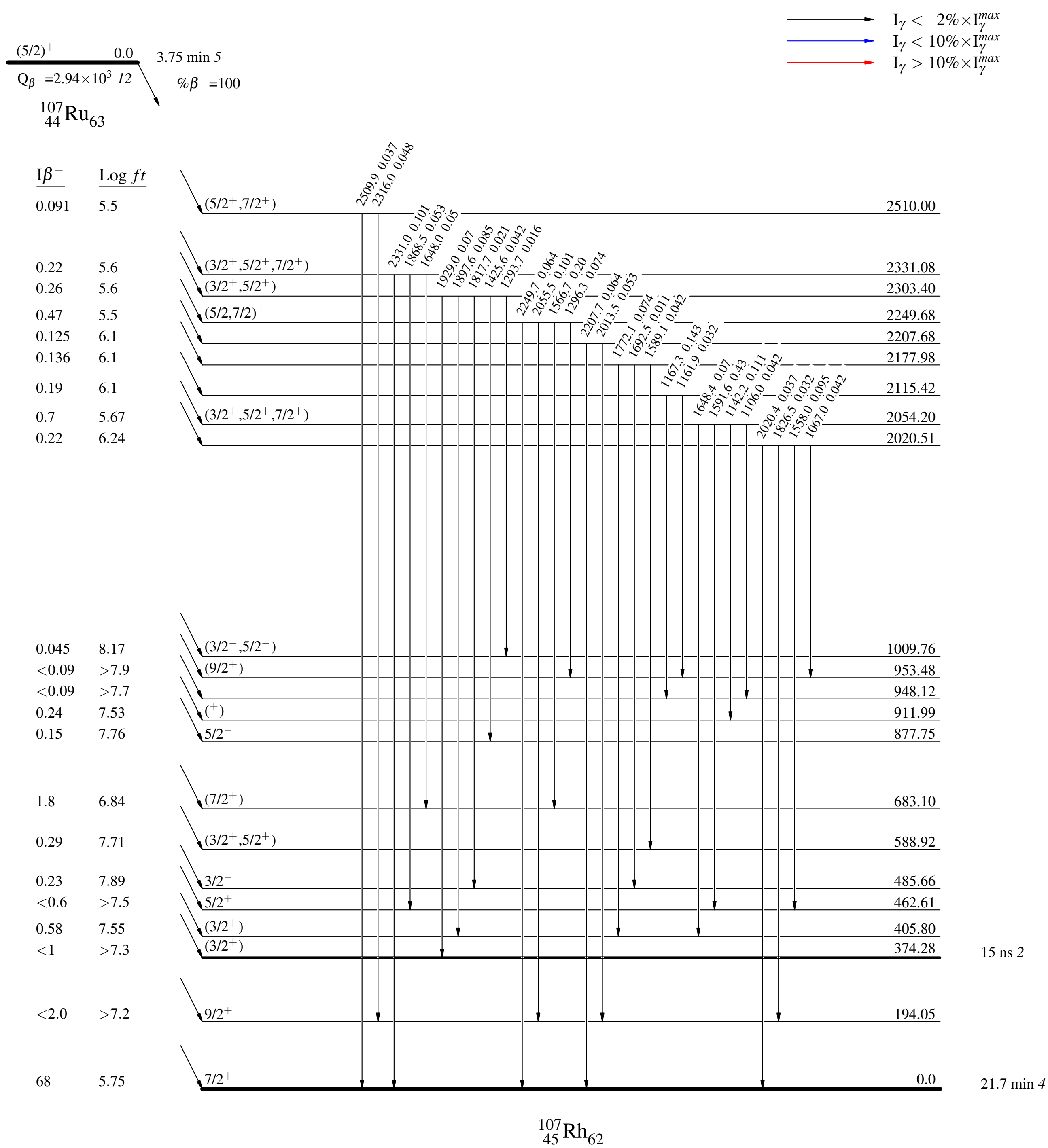
@ Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

$^{107}_{45}Rh_{62}$-6

^{107}Ru β^- decay 1986Ka43

Decay Scheme

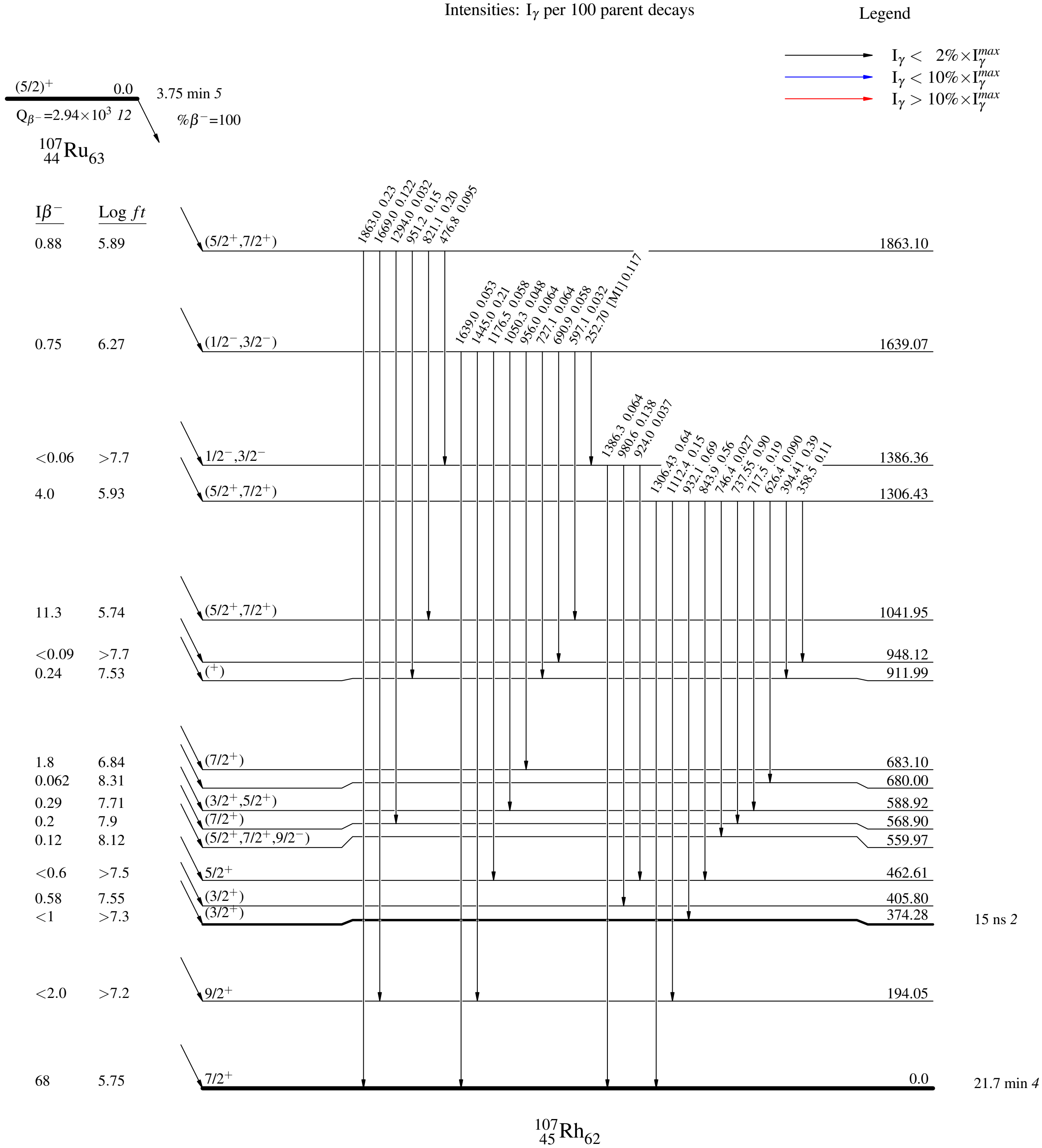
Intensities: I_γ per 100 parent decays



^{107}Ru β^- decay 1986Ka43

Decay Scheme (continued)

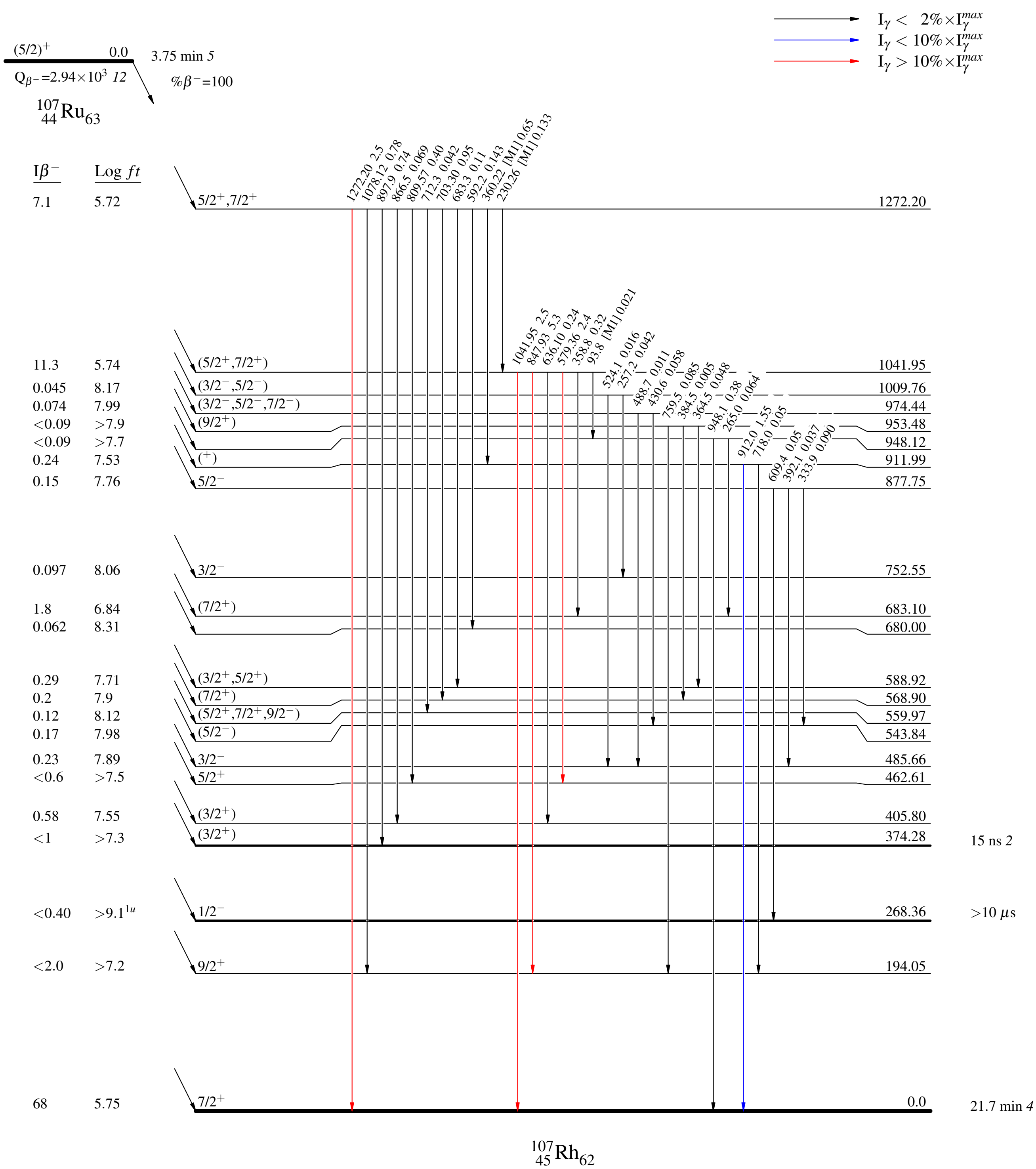
Intensities: I_γ per 100 parent decays



^{107}Ru β^- decay 1986Ka43

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays



^{107}Ru β^- decay 1986Ka43

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays