^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 109, 2501 (2008)	1-Apr-2008

Parent: ^{96}Rh: E=0.0; $J^\pi=6^+$; $T_{1/2}$=9.90 min *10*; Q(ε)=6393 *10*; %ε+%$β^+$ decay=100.0
Measured: γ, γγ (2002Kl07,1983Wa06,1975Gu01), β, βγ (1975Gu01), γ (1971Do08).
α: Additional information 1.

^{96}Ru Levels

E(level)‡	J^π†	$T_{1/2}$†	Comments
0.0	0^+	stable	
832.52 *9*	2^+	2.94 ps *6*	
1518.04 *12*	4^+	6.9 ps *5*	
1930.93 *12*	2^+	0.38 ps *3*	
2149.76 *13*	6^+	15 ps *5*	
2283.68 *17*	2^+	<0.14 ps	E(level): Not seen in this work, placed here from 2002Kl07 to accommodate γ ray from higher level.
2462.16 *14*	4	0.10 ps *+5−3*	
2524.88 *14*	3^+,4^+		
2575.6 *5*	(2^+)		
2588.36 *15*	5^-	≥2.8 ps	
2649.91 *12*	$3^{(-)}$		Not seen in this work, placed here from Adopted Levels to accommodate γ ray from higher level.
2760.21 *15*	4^+,5	<0.12 ps	
2793.89 *14*	(5,6)		
2891.67 *15*	6^+	<0.20 ps	
2897.44 *17*	3^+	<0.4 ps	
2950.40 *15*	8^+	11 ps *4*	
3076.52 *23*	(5,6)		
3166.72 *15*	(5,6)		
3291.43 *23*	7^-	7.0 ps *9*	
3291.54 *21*	4^+	<0.4 ps	
3306.78 *16*	5		
3362.56 *23*	(4,8)		
3377.57 *14*	5^+		
3380.51 *15*	$(6,7)^+$		
3544.53 *17*	(6,7)		
3706.51 *21*	$(5,6)^+$		
3742.88 *18*	(5,6)		
3755.18 *23*	$(5,6,7)^+$		
3805.71 *23*	(5,6,7)		
3887.26 *15*	$(5,6,7)^+$		
4057.54 *22*	(5,6)		
4080.29 *18*	$(5,6,7)^+$		
4113.01 *16*	$(6,7)^+$		
4148.2 *5*	(5,6,7)		
4210.9 *4*	(5,6,7)		
4521.10 *23*	$(5,6)^+$		
4560.95 *22*	$(5,6)^+$		
4592.5 *5*	(5,6,7)		
4777.49 *16*	5^+		
4949.63 *20*	5^+		
5541.49 *25*	$(5,6,7)^+$		

† From Adopted values.
‡ From least-squares fit to Eγ.

^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06 (continued)

ε,β+ radiations

E(decay)	E(level)	Iβ+ ‡	Iε‡	Log *ft*	I(ε+β+)†‡	Comments
(852 *10*)	5541.49		0.83 *9*	4.96 *5*	0.83 *9*	εK=0.8644; εL=0.10966 *6*; εM+=0.02591 *2*
(1443 *10*)	4949.63	0.0125 *17*	1.15 *11*	5.29 *5*	1.16 *11*	av Eβ=191.7 *43*; εK=0.8573 *9*; εL=0.10675 *13*; εM+=0.02516 *3*
(1616 *10*)	4777.49	0.079 *7*	2.00 *13*	5.14 *3*	2.08 *13*	av Eβ=265.8 *44*; εK=0.8341 *20*; εL=0.1036 *3*; εM+=0.02440 *7*
(1801 *10*)	4592.5	0.033 *4*	0.32 *4*	6.04 *5*	0.35 *4*	av Eβ=346.0 *44*; εK=0.785 *4*; εL=0.0973 *5*; εM+=0.02291 *11*
(1832 *10*)	4560.95	0.112 *11*	0.94 *8*	5.58 *4*	1.05 *9*	av Eβ=359.7 *44*; εK=0.774 *4*; εL=0.0959 *5*; εM+=0.02258 *11*
(1872 *10*)	4521.10	0.163 *10*	1.15 *5*	5.514 *22*	1.31 *6*	av Eβ=377.1 *44*; εK=0.760 *4*; εL=0.0940 *5*; εM+=0.02214 *12*
(2182 *10*)	4210.9	0.043 *12*	0.11 *3*	6.68 *12*	0.15 *4*	av Eβ=513.6 *45*; εK=0.617 *5*; εL=0.0761 *7*; εM+=0.01792 *15*
(2245 *10*)	4148.2	0.008 *3*	0.016 *7*	7.52 *19*	0.024 *10*	av Eβ=541.5 *45*; εK=0.585 *6*; εL=0.0721 *7*; εM+=0.01698 *15*
(2280 *10*)	4113.01	0.64 *3*	1.20 *6*	5.667 *23*	1.84 *9*	av Eβ=557.1 *45*; εK=0.567 *6*; εL=0.0699 *7*; εM+=0.01645 *15*
(2313 *10*)	4080.29	0.40 *3*	0.68 *6*	5.92 *4*	1.08 *9*	av Eβ=571.7 *45*; εK=0.550 *5*; εL=0.0678 *7*; εM+=0.01596 *15*
(2335 *10*)	4057.54	0.35 *2*	0.57 *3*	6.01 *3*	0.92 *5*	av Eβ=581.9 *45*; εK=0.539 *5*; εL=0.0664 *7*; εM+=0.01562 *15*
(2506 *10*)	3887.26	2.54 *12*	2.80 *13*	5.382 *23*	5.34 *25*	av Eβ=658.2 *45*; εK=0.455 *5*; εL=0.0561 *6*; εM+=0.01319 *14*
(2587 *10*)	3805.71	0.33 *3*	0.30 *3*	6.38 *5*	0.63 *6*	av Eβ=695.0 *46*; εK=0.418 *5*; εL=0.0515 *6*; εM+=0.01211 *13*
(2638 *10*)	3755.18	1.65 *6*	1.39 *5*	5.732 *17*	3.04 *10*	av Eβ=717.8 *46*; εK=0.396 *5*; εL=0.0488 *6*; εM+=0.01147 *13*
(2650 *10*)	3742.88	0.45 *4*	0.36 *4*	6.32 *5*	0.81 *8*	av Eβ=723.4 *46*; εK=0.391 *5*; εL=0.0481 *6*; εM+=0.01132 *13*
(2686 *10*)	3706.51	1.81 *8*	1.38 *6*	5.750 *22*	3.19 *14*	av Eβ=739.9 *46*; εK=0.376 *4*; εL=0.0463 *5*; εM+=0.01089 *12*
(2848 *10*)	3544.53	0.37 *8*	0.21 *4*	6.62 *9*	0.58 *12*	av Eβ=813.5 *46*; εK=0.315 *4*; εL=0.0388 *5*; εM+=0.00912 *10*
(3012 *10*)	3380.51	8.4 *4*	3.68 *19*	5.425 *24*	12.1 *6*	av Eβ=888.4 *46*; εK=0.264 *3*; εL=0.0324 *4*; εM+=0.00762 *9*
(3015 *10*)	3377.57	8.2 *4*	3.57 *19*	5.439 *24*	11.8 *6*	av Eβ=889.8 *46*; εK=0.263 *3*; εL=0.0323 *4*; εM+=0.00759 *9*
(3086 *10*)	3306.78	1.66 *17*	0.65 *7*	6.20 *5*	2.31 *23*	av Eβ=922.3 *46*; εK=0.243 *3*; εL=0.0299 *4*; εM+=0.00703 *8*
(3226 *10*)	3166.72	1.71 *5*	0.543 *18*	6.316 *16*	2.25 *7*	av Eβ=986.8 *47*; εK=0.2096 *23*; εL=0.0257 *3*; εM+=0.00605 *7*
(3316 *10*)	3076.52	0.39 *17*	0.11 *5*	7.03 *20*	0.50 *22*	av Eβ=1028.4 *47*; εK=0.1906 *20*; εL=0.02338 *25*; εM+=0.00550 *6*
(3443 *10*)	2950.40	0.30 *12*	0.07 *3*	7.25 *18*	0.37 *15*	av Eβ=1086.8 *47*; εK=0.1673 *18*; εL=0.02052 *22*; εM+=0.00482 *5*
(3496 *10*)	2897.44	0.30 *6*	0.068 *13*	7.29 *9*	0.37 *7*	av Eβ=1111.4 *47*; εK=0.1586 *16*; εL=0.01944 *20*; εM+=0.00457 *5*
(3501 *10*)	2891.67	23.2 *7*	5.14 *16*	5.411 *15*	28.3 *8*	av Eβ=1114.1 *47*; εK=0.1577 *16*; εL=0.01933 *20*; εM+=0.00455 *5*
(3599 *10*)	2793.89	4.94 *16*	0.97 *3*	6.158 *17*	5.91 *19*	av Eβ=1159.6 *47*; εK=0.1430 *15*; εL=0.01753 *18*; εM+=0.00412 *5*
(3633 *10*)	2760.21	0.66 *10*	0.13 *2*	7.05 *7*	0.79 *12*	av Eβ=1175.3 *47*; εK=0.1384 *14*; εL=0.01696 *17*; εM+=0.00399 *4*
(3805 *10*)	2588.36	1.51 *6*	0.236 *10*	6.821 *19*	1.75 *7*	av Eβ=1255.5 *47*; εK=0.1173 *12*; εL=0.01437 *14*; εM+=0.00338 *4*
(3931 *10*)	2462.16	1.07 *9*	0.147 *12*	7.06 *4*	1.22 *10*	av Eβ=1314.7 *47*; εK=0.1044 *10*; εL=0.01278 *12*;

Continued on next page (footnotes at end of table)

^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ ‡	Iε‡	Log *ft*	I(ε+β+)†‡	Comments
						εM+=0.00301 *3*
(4243 *10*)	2149.76	9.5 *22*	0.96 *22*	6.31 *10*	10.5 *24*	av Eβ=1461.6 *48*; εK=0.0793 *7*; εL=0.00971 *9*; εM+=0.002282 *20*

† From intensity imbalance.
‡ For absolute intensity per 100 decays, multiply by 0.913.

^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06 (continued)

γ(^{96}Ru)

Iγ normalization: 0.1 if Iβ(g.s.)=0.
Unplaced gamma rays are from 1983Wa06 and 1975Gu01.

E_γ[#]	I_γ[#@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α	Comments
237.9 *2*	1.9 *3*	3544.53	(6,7)	3306.78	5			
300.7 *5*	2.4 *6*	3377.57	5^+	3076.52	(5,6)			
366.3[‡] *4*	0.10 *4*	2649.91	$3^{(-)}$	2283.68	2^+			I_γ: from Iγ(366γ)=5.5 *5* (2002Kl07) and assuming Ti(in)=Ti(out) for 2650 level.
380.4 *5*	1.6 *5*	3742.88	(5,6)	3362.56	(4,8)			
400.0[&] *5*	1.3[&] *3*	3291.54	4^+	2891.67	6^+			
400.0[&] *5*	1.3[&] *3*	3706.51	$(5,6)^+$	3306.78	5			
415.2[&] *5*	6.2[&] *7*	3306.78	5	2891.67	6^+			
415.2[&] *5*	6.2[&] *7*	3706.51	$(5,6)^+$	3291.54	4^+			
[x]421.8 *2*	5.0 *10*							
430.18 *10*	20.7 *5*	3380.51	$(6,7)^+$	2950.40	8^+			
435.3[‡] *3*	0.066 *22*	2897.44	3^+	2462.16	4			I_γ: from I(435γ):I(967γ)=3 *1*:100 *12* in 2002Kl07 and I(867γ)=2.2 *3* in 1983Wa06.
[x]471.7 *5*	1.6 *4*							
485.9 *5*	5.0 *7*	3377.57	5^+	2891.67	6^+			
488.9 *5*	3.9 *10*	3380.51	$(6,7)^+$	2891.67	6^+			
497.4[‡] *4*		3291.43	7^-	2793.89	(5,6)			
531.2[‡] *3*	0.29 *9*	3291.54	4^+	2760.21	4^+,5			I_γ: from I(531γ):I(2459γ)=8 *2*:100 *14* in 2002Kl07 and I(2459γ)=3.6 *5* in 1983Wa06.
586.62 *20*	15.3 *5*	3380.51	$(6,7)^+$	2793.89	(5,6)			
594.1 *2*	1.5 *5*	2524.88	3^+,4^+	1930.93	2^+			
594.1[&] *2*	5.7[&] *6*	3544.53	(6,7)	2950.40	8^+			
613.8[‡] *3*	0.44 *4*	2897.44	3^+	2283.68	2^+			I_γ: from I(614γ):I(967γ)=20 *1*:100 *12* in 2002Kl07 and I(867γ)=2.2 *3* in 1983Wa06.
631.73 *10*	745 *19*	2149.76	6^+	1518.04	4^+			
644.16 *10*	45.7 *12*	2793.89	(5,6)	2149.76	6^+			
657.5 *5*	2.4 *10*	3306.78	5	2649.91	$3^{(-)}$			
685.47 *10*	957 *24*	1518.04	4^+	832.52	2^+	E2	0.00222 *4*	α(K)=0.00194 *3*; α(L)=0.000231 *4*; α(M)=4.24×10^{-5} *6*; α(N)=6.82×10^{-6} *10*; α(O)=3.42×10^{-7} *5* α(N+..)=7.16×10^{-6} *10*
[x]693.1 *2*	2.6 *5*							
699.5 *5*	0.9 *3*	4080.29	$(5,6,7)^+$	3380.51	$(6,7)^+$			
703.1[‡] *2*		3291.43	7^-	2588.36	5^-			
718.5[‡] *2*	0.07 *3*	2649.91	$3^{(-)}$	1930.93	2^+			I_γ: from Iγ(718.5γ)=4 *1* (2002Kl07) and assuming Ti(in)=Ti(out) for 2650 level.

^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06 (continued)

γ(^{96}Ru) (continued)

E_γ[#]	I_γ[#@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	δ	α	Comments
741.87 *10*	294 *7*	2891.67	6^+	2149.76	6^+	D+Q			
766.8 *5*	2.0 *4*	3291.54	4^+	2524.88	$3^+,4^+$				
800.70 *10*	33.2 *10*	2950.40	8^+	2149.76	6^+	E2		1.50×10^{-3} *2*	α(K)=0.001309 *19*; α(L)=0.0001539 *22*; α(M)=2.82×10^{-5} *4*; α(N)=4.54×10^{-6} *7*; α(O)=2.32×10^{-7} *4* α(N+..)=4.77×10^{-6}
832.52 *10*	1000	832.52	2^+	0.0	0^+	E2		1.36×10^{-3} *2*	α(K)=0.001191 *17*; α(L)=0.0001395 *20*; α(M)=2.56×10^{-5} *4*; α(N)=4.12×10^{-6} *6*; α(O)=2.11×10^{-7} *3* α(N+..)=4.33×10^{-6} *6*
852.3 *5*	4.8 *7*	3377.57	5^+	2524.88	$3^+,4^+$				
863.5[&] *5*	1.3[&] *4*	3755.18	$(5,6,7)^+$	2891.67	6^+				
890.0 *2*	3.8 *3*	4777.49	5^+	3887.26	$(5,6,7)^+$				
912.2 *5*	2.5 *2*	3706.51	$(5,6)^+$	2793.89	(5,6)				
915.2 *2*	10.3 *6*	3377.57	5^+	2462.16	4				
944.07 *10*	24.3 *7*	2462.16	4	1518.04	4^+	D+Q			
966.8 *5*	2.2 *3*	2897.44	3^+	1930.93	2^+				
995.5 *2*	7.9 *4*	3887.26	$(5,6,7)^+$	2891.67	6^+				
1006.5 *5*	2.8 *4*	2524.88	$3^+,4^+$	1518.04	4^+				
1011.4 *5*	2.0 *4*	3805.71	(5,6,7)	2793.89	(5,6)				
1016.8 *5*	1.8 *5*	4560.95	$(5,6)^+$	3544.53	(6,7)				
1048.0 *5*	3.2 *4*	4592.5	(5,6,7)	3544.53	(6,7)				
1070.35 *10*	18.3 *5*	2588.36	5^-	1518.04	4^+	E1+M2	−0.01 *4*	3.33×10^{-4} *6*	α(K)=0.000293 *6*; α(L)=3.28×10^{-5} *6*; α(M)=5.99×10^{-6} *11*; α(N)=9.70×10^{-7} *18*; α(O)=5.18×10^{-8} *10* α(N+..)=1.022×10^{-6} *19*
1098.2 *2*	5.2 *5*	1930.93	2^+	832.52	2^+	E2+M1	−1.1 *1*	7.45×10^{-4} *11*	α(K)=0.000654 *10*; α(L)=7.47×10^{-5} *11*; α(M)=1.367×10^{-5} *20*; α(N)=2.21×10^{-6} *4* α(O)=1.175×10^{-7} *18*; α(N+..)=2.33×10^{-6} *4*
1131.9[‡] *2*	0.37 *15*	2649.91	$3^{(-)}$	1518.04	4^+				I_γ: from Iγ(1131.9γ)=20 *1* (2002Kl07) and assuming Ti(in)=Ti(out) for 2650 level.
1157.0 *2*	≈4.0	3306.78	5	2149.76	6^+				
1162.9 *5*	3.4 *5*	4113.01	$(6,7)^+$	2950.40	8^+				
1188.6 *2*	5.8 *5*	4080.29	$(5,6,7)^+$	2891.67	6^+				
1212.8 *2*	1.9 *3*	3362.56	(4,8)	2149.76	6^+				
1227.85 *10*	78 *5*	3377.57	5^+	2149.76	6^+				
1230.66 *10*	72 *5*	3380.51	$(6,7)^+$	2149.76	6^+				
1242.14 *10*	12.9 *9*	2760.21	$4^+,5$	1518.04	4^+				
1269.1 *5*	3.1 *4*	4560.95	$(5,6)^+$	3291.54	4^+				
1275.76 *10*	30.7 *8*	2793.89	(5,6)	1518.04	4^+				
1286.4 *2*	2.5 *5*	4080.29	$(5,6,7)^+$	2793.89	(5,6)				
[x]1367.8 *2*	5.0 *5*								
1379.5[‡] *3*	1.4 *3*	2897.44	3^+	1518.04	4^+				I_γ: from I(435γ):I(967γ)=63 *12*:100 *12* in 2002Kl07 and I(867γ)=2.2 *3* in 1983Wa06.
1394.7 *2*	2.7 *5*	3544.53	(6,7)	2149.76	6^+				

$^{96}_{44}Ru_{52}$-5

^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06 (continued)

γ(^{96}Ru) (continued)

E_γ[#]	I_γ[#@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	δ	α	Comments
1400.5 *5*	1.1 *3*	4777.49	5^+	3377.57	5^+				
1450.5 *5*	0.7 *3*	4210.9	(5,6,7)	2760.21	4^+,5				
1451.2‡ *2*		2283.68	2^+	832.52	2^+	(M1+E2)	+0.12 *3*	4.89×10^{-4} *7*	α(K)=0.000381 *6*; α(L)=4.28×10^{-5} *6*; α(M)=7.83×10^{-6} *11*; α(N)=1.272×10^{-6} *18*; α(O)=6.87×10^{-8} *10* α(N+..)=5.78×10^{-5} *9*
1470.2 *5*	4.3 *9*	4777.49	5^+	3306.78	5				
1525.2 *5*	0.7 *2*	4113.01	$(6,7)^+$	2588.36	5^-				
1556.72 *20*	19.2 *10*	3706.51	$(5,6)^+$	2149.76	6^+				
1559.0 *5*	9.6 *19*	3076.52	(5,6)	1518.04	4^+				
1593.1 *2*	3.5 *4*	3742.88	(5,6)	2149.76	6^+				
1605.4 *2*	26.5 *8*	3755.18	$(5,6,7)^+$	2149.76	6^+				
1642.7 *2*	3.6 *4*	4949.63	5^+	3306.78	5				
1648.66 *10*	20.6 *6*	3166.72	(5,6)	1518.04	4^+				
1656.0 *2*	3.8 *4*	3805.71	(5,6,7)	2149.76	6^+				
1692.3 *2*	21.6 *5*	2524.88	3^+,4^+	832.52	2^+				
1701.1 *2*	2.6 *3*	4777.49	5^+	3076.52	(5,6)				
1737.45 *10*	44.7 *22*	3887.26	$(5,6,7)^+$	2149.76	6^+				
1743.1 *5*	4.4 *14*	2575.6	(2^+)	832.52	2^+				
[x]1758.2 *5*	2.1 *3*								
1773.4 *5*	1.6 *5*	3291.54	4^+	1518.04	4^+				
1788.6 *2*	19.6 *8*	3306.78	5	1518.04	4^+				
1800.7 *2*	4.7 *5*	4560.95	$(5,6)^+$	2760.21	4^+,5				
1817.5‡ *1*	1.9 *10*	2649.91	$3^{(-)}$	832.52	2^+				I_γ: from Iγ(1817.5γ)=100 *10*(2002Kl07) and assuming Ti(in)=Ti(out) for 2650 level.
1859.7 *2*	16.1 *6*	3377.57	5^+	1518.04	4^+				
1885.7 *2*	3.6 *4*	4777.49	5^+	2891.67	6^+				
1907.8 *2*	3.8 *4*	4057.54	(5,6)	2149.76	6^+				
1930.9‡ *2*	0.31 *5*	1930.93	2^+	0.0	0^+				
1963.19 *10*	12.7 *6*	4113.01	$(6,7)^+$	2149.76	6^+				
[x]1991.1 *5*	2.2 *9*								
1996.16 *20*	9.2 *5*	4521.10	$(5,6)^+$	2524.88	3^+,4^+				
1998.4 *5*	0.22 *9*	4148.2	(5,6,7)	2149.76	6^+				
2052.4 *5*	1.2 *5*	4949.63	5^+	2897.44	3^+				
2059.2 *5*	2.8 *2*	4521.10	$(5,6)^+$	2462.16	4				
2061.2 *5*	0.67 *20*	4210.9	(5,6,7)	2149.76	6^+				
2064.7‡ *3*	0.44 *4*	2897.44	3^+	832.52	2^+				
[x]2075.0 *5*	1.1 *3*								
[x]2121.0 *5*	1.5 *3*								
[x]2143.1 *2*	1.4 *2*								
2149.6 *5*	0.65 *20*	4080.29	$(5,6,7)^+$	1930.93	2^+				
2163.9 *2*	7.6 *8*	5541.49	$(5,6,7)^+$	3377.57	5^+				
[x]2196.9 *2*	3.0 *3*								

^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06 (continued)

$\gamma(^{96}Ru)$ (continued)

E_γ[#]	I_γ[#@]	E_i(level)	J_i^π	E_f	J_f^π
[x]2203.0 *5*	1.3 *3*				
2224.8 *2*	2.3 *3*	3742.88	(5,6)	1518.04	4^+
2252.7 *2*	2.5 *4*	4777.49	5^+	2524.88	3^+,4^+
[x]2264.9 *5*	1.2 *4*				
2283.6[‡] *4*		2283.68	2^+	0.0	0^+
[x]2290.5 *5*	0.8 *2*				
2361.5 *5*	1.6 *3*	4949.63	5^+	2588.36	5^-
[x]2402.4 *2*	2.2 *3*				
2424.9 *5*	1.2 *3*	4949.63	5^+	2524.88	3^+,4^+
2459.1 *5*	3.6 *5*	3291.54	4^+	832.52	2^+
[x]2500.9 *5*	1.3 *3*				
[x]2508.7 *5*	1.6 *3*				
[x]2525.6 *2*	2.9 *3*				
[x]2534.5 *5*	2.0 *3*				
2539.2 *5*	4.6 *3*	4057.54	(5,6)	1518.04	4^+
2628.0 *5*	1.1 *3*	4777.49	5^+	2149.76	6^+
[x]2698.5 *5*	1.3 *3*				
2800.0[†] *5*	1.0[†] *3*	4949.63	5^+	2149.76	6^+
[x]2962.0 *5*	1.6 *3*				
[x]3073.4 *4*	2.1 *5*				
[x]3220.5 *5*	1.5 *5*				
[x]3261.5 *5*	2.0 *5*				
3431.5[†] *5*	2.0[†] *5*	4949.63	5^+	1518.04	4^+

[†] Observed only by 1975Gu01.
[‡] From 2002Kl07 (mixed source).
[#] From 1983Wa06, unless otherwise noted.
[@] For absolute intensity per 100 decays, multiply by 0.10.
[&] Multiply placed with undivided intensity.
[x] γ ray not placed in level scheme.

$^{96}_{44}Ru_{52}$-7

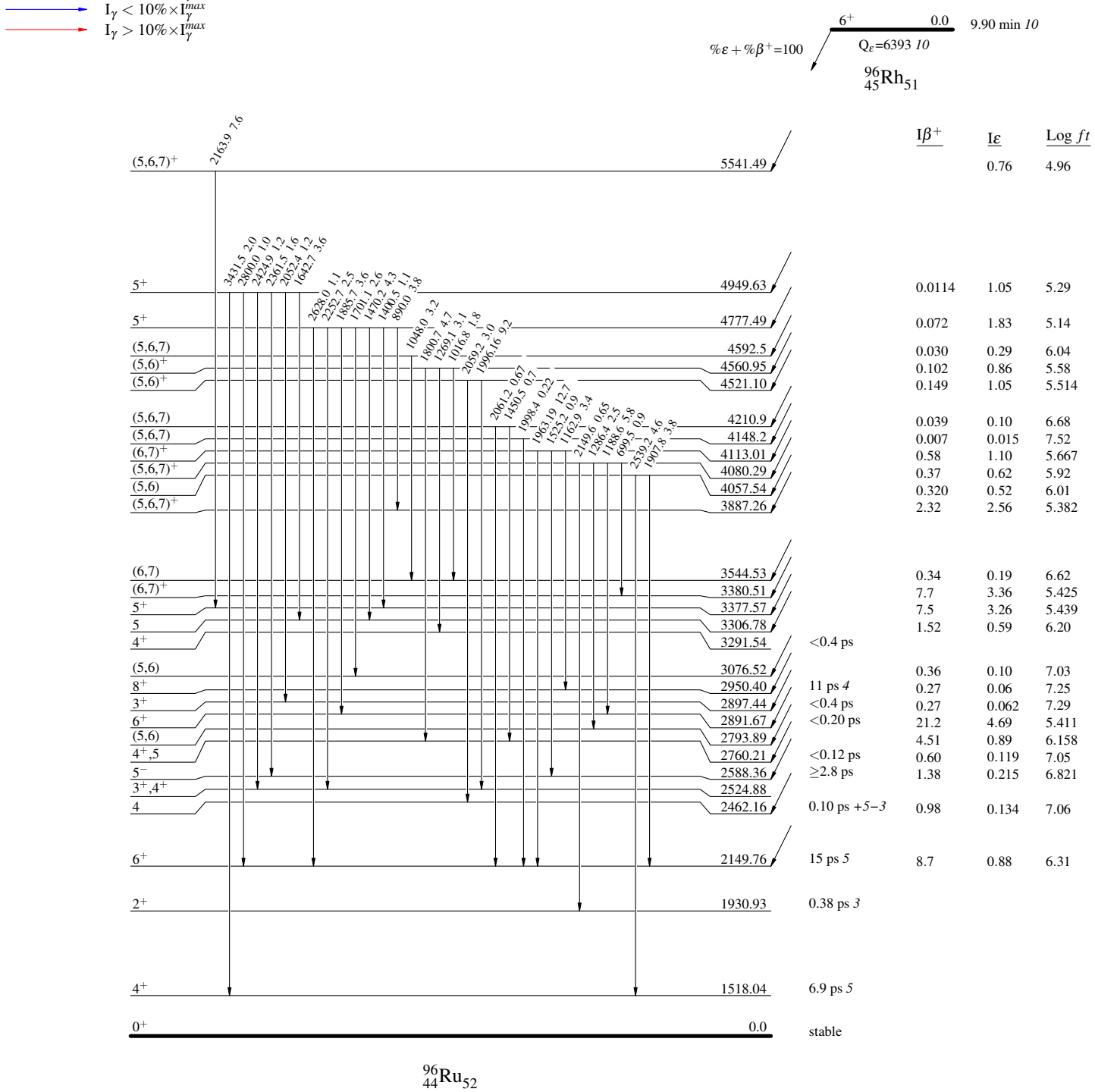
^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06

Decay Scheme

Intensities: I_γ per 100 parent decays

Legend

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

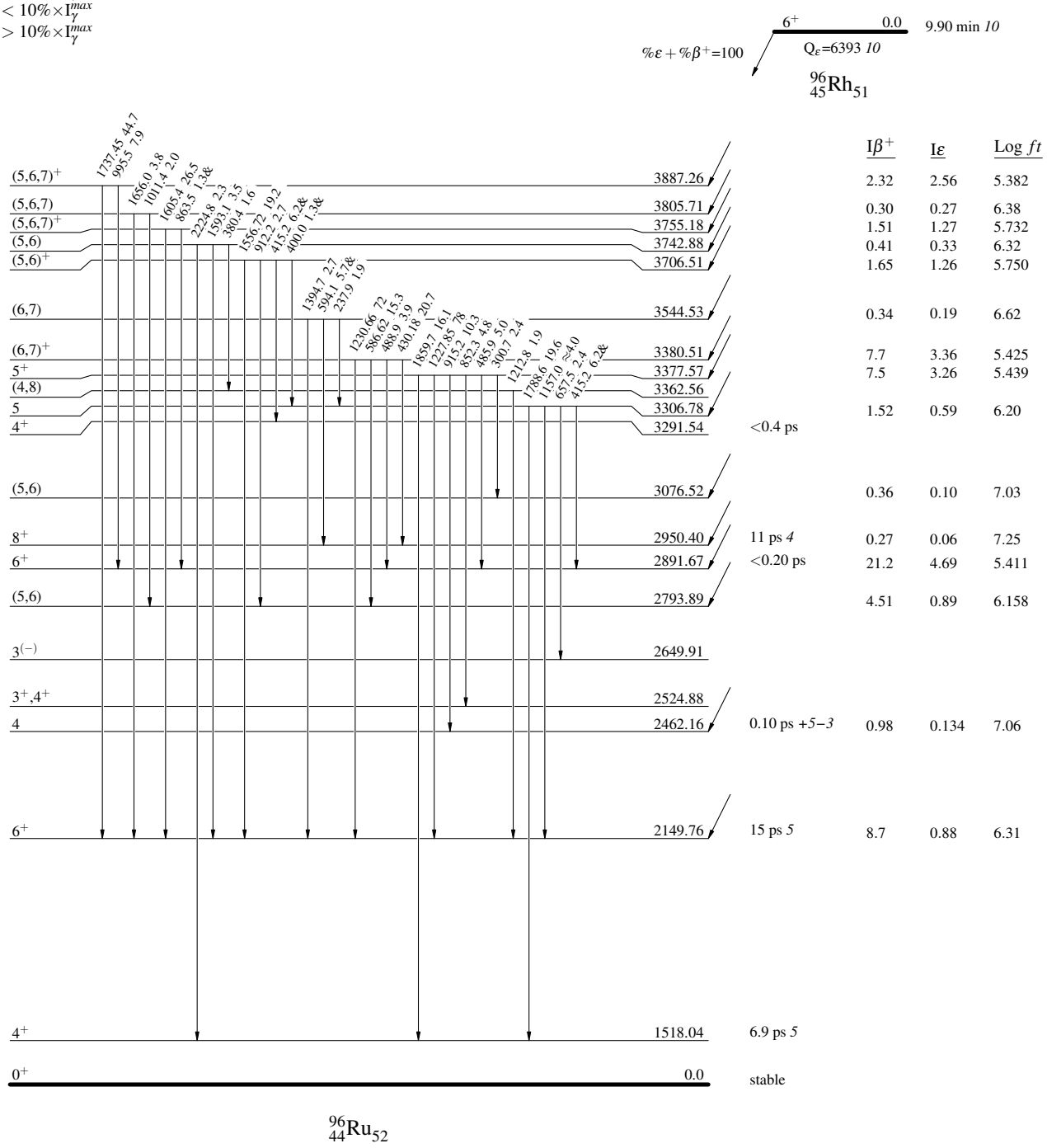


^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays
& Multiply placed: undivided intensity given

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



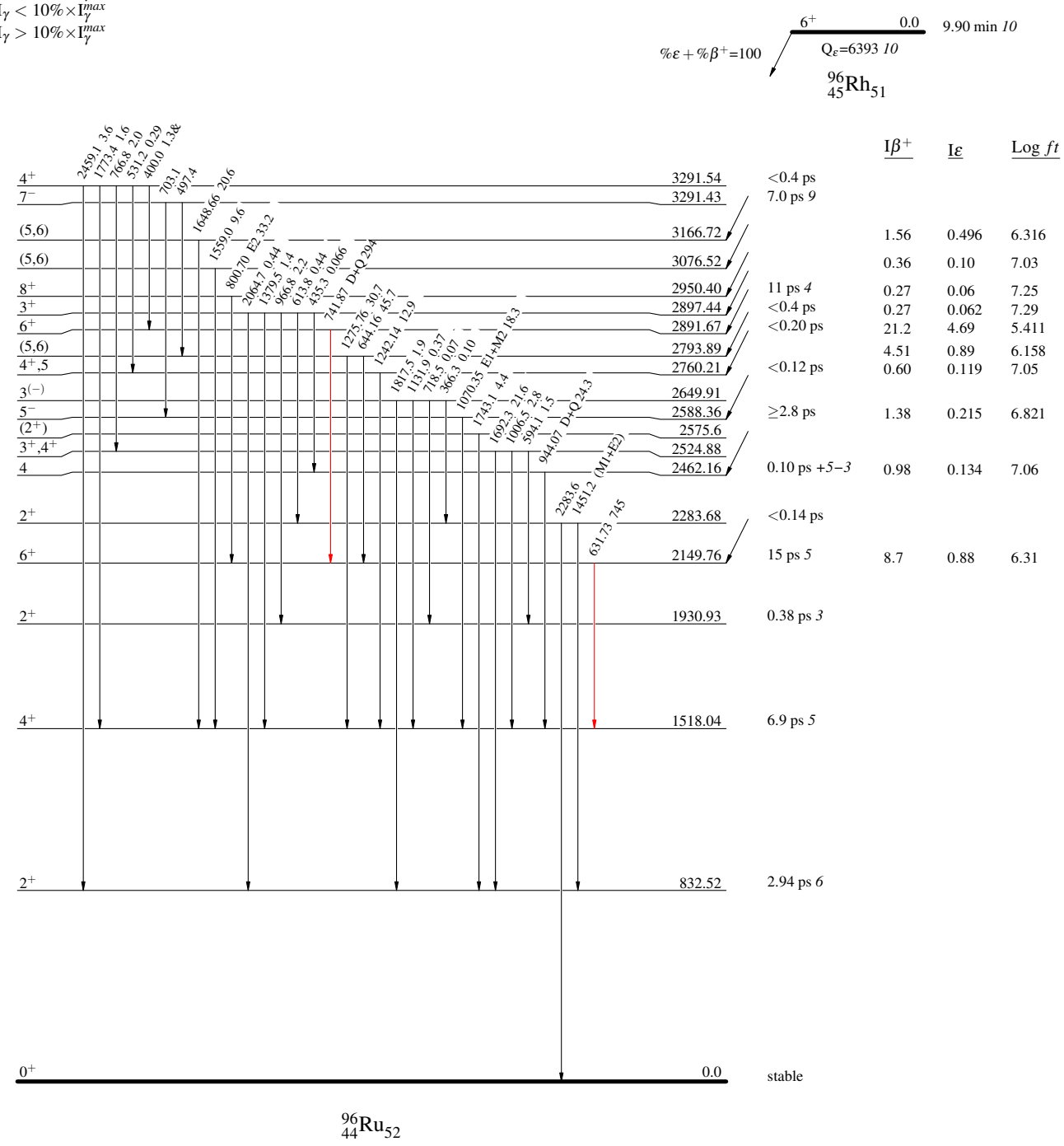
	Iβ+	Iε	Log *ft*
	2.32	2.56	5.382
	0.30	0.27	6.38
	1.51	1.27	5.732
	0.41	0.33	6.32
	1.65	1.26	5.750
	0.34	0.19	6.62
	7.7	3.36	5.425
	7.5	3.26	5.439
	1.52	0.59	6.20
	0.36	0.10	7.03
	0.27	0.06	7.25
	21.2	4.69	5.411
	4.51	0.89	6.158
	0.98	0.134	7.06
	8.7	0.88	6.31

^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays
& Multiply placed: undivided intensity given

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



^{96}Rh ε decay (9.90 min) 2002Kl07,1983Wa06

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays
& Multiply placed: undivided intensity given