^{112}Rh β^- decay (6.76 s) 1999Lh01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, F. G. Kondev	NDS 124, 157 (2015)	1-Aug-2014

Parent: ^{112}Rh: E=y; $J^\pi=(6^+)$; $T_{1/2}$=6.76 s *12*; Q(β^-)=6589 *44*; %β^- decay=100.0

1999Lh01: Facility: IGISOL at Jyvaskyla; Source: mass-separated fission products from ^{238}U(p,F); Beam: E(p)=25 MeV; Detectors: four Ge from EUROGAM I, plastic scintillators; Measured: γ-γ and β-ce coinc., Eγ, Iγ, β-γ(t); Deduced: ^{112}Pd level scheme, Iβ(g.s.), log *ft*.

Others: 1998Lh04, 1988Ay02, 1985Bu05, 1976MaYL, 1970WiZN.

^{112}Pd Levels

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
0.0	0^+	1759.00 *21*	(5^+)	2334.1 *4*	$(5,6^+)$	2966.64 *24*	$(5,6^+)$
348.70 *16*	2^+	1887.4 *4*	(4^+)	2354.51 *20*	$(4,5^+)$	3043.4 *4*	(5,6)
736.70 *16*	2^+	1951.7 *4*	$(3,4^+)$	2395.20 *24*	(5^+)	3759.6 *5*	$(5,6^+)$
882.99 *18*	4^+	2002.76 *25*	(6^+)	2430.8 *5*	$(5,6^+)$	3772.0 *8*	$(5,6^+)$
1096.31 *18*	3^+	2036.5 *3*	$(2^-,3,4^+)$	2441.4 *3*	$(5,6^+)$	3794.3 *9*	$(5,6^+)$
1362.39 *19*	(4^+)	2158.0 *4*	$(3,4,5^+)$	2543.2 *3*	(5^+)	3940.3 *9*	$(5,6^+)$
1422.7 *6*	2^+	2194.61 *19*	$(4)^-$	2578.8 *5*	(6^-)		
1550.50 *20*	6^+	2200.62 *20*	$(5,6^+)$	2629.7 *11*	(5,6,7)		
1714.91 *18*	$(3,4^+)$	2269.40 *23*	(5^-)	2754.81 *19*	5^+		

† From a least squares fit to Eγ.

‡ From the Adopted Levels.

β^- radiations

The level scheme is incomplete (pandemonium), and hence, Iβ^- and log *ft* values should be considered as approximate.

E(decay)	E(level)	Iβ−†‡	Log *ft*	Comments
(2.65×10^3 *5*)	3940.3	0.53 *18*	6.16	av Eβ=1089 *21*
(2.79×10^3 *5*)	3794.3	0.45 *18*	6.33	av Eβ=1157 *21*
(2.82×10^3 *5*)	3772.0	0.45 *9*	6.34	av Eβ=1167 *21*
(2.83×10^3 *5*)	3759.6	0.80 *20*	6.10	av Eβ=1173 *21*
(3.54×10^3 *5*)	3043.4	0.53 *13*	6.70	av Eβ=1511 *21*
(3.62×10^3 *5*)	2966.64	1.42 *16*	6.31	av Eβ=1547 *21*
(3.83×10^3 *5*)	2754.81	72 *6*	4.71	av Eβ=1647 *21*
(3.96×10^3 *5*)	2629.7	0.24 *7*	7.25	av Eβ=1707 *21*
(4.01×10^3 *5*)	2578.8	0.11 *4*	7.61	av Eβ=1731 *21*
(4.04×10^3 *5*)	2543.2	1.60 *20*	6.47	av Eβ=1748 *21*
(4.15×10^3 *5*)	2441.4	0.56 *10*	6.97	av Eβ=1796 *21*
(4.16×10^3 *5*)	2430.8	0.62 *18*	6.93	av Eβ=1801 *21*
(4.19×10^3 *5*)	2395.20	0.71 *16*	6.89	av Eβ=1818 *21*
(4.23×10^3 *5*)	2354.51	<1.2	>7.1	av Eβ=1838 *21*
(4.32×10^3 *5*)	2269.40	0.7 *4*	6.95	av Eβ=1878 *21*
(4.39×10^3 *5*)	2200.62	1.1 *3*	6.78	av Eβ=1911 *21*
(4.59×10^3 *5*)	2002.76	1.07 *20*	6.88	av Eβ=2005 *21*
(4.83×10^3 *5*)	1759.00	2.9 *7*	6.54	av Eβ=2121 *21*
(5.04×10^3 *5*)	1550.50	3.7 *10*	6.52	av Eβ=2221 *21*

† From intensity imbalances.

‡ Absolute intensity per 100 decays.

$\gamma(^{112}Pd)$

Iγ normalization: from Σ Ti(g.s.)=100%.

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	δ [†#]	α [‡]	Comments
158.1 *2*	0.09 *3*	2194.61	$(4)^-$	2036.5	$(2^-,3,4^+)$				
159.9 *3*	0.25 *6*	2354.51	$(4,5^+)$	2194.61	$(4)^-$	[E1]		0.0398	α(K)=0.0348 *6*; α(L)=0.00413 *7*; α(M)=0.000771 *12* α(N)=0.0001281 *20*
213.3 *2*	1.3 *2*	1096.31	3^+	882.99	4^+	[M1+E2]		0.0479	α(K)=0.0418 *6*; α(L)=0.00505 *8*; α(M)=0.000949 *14* α(N)=0.0001598 *23*
348.7 *2*	100	348.70	2^+	0.0	0^+	(E2)		0.0181	α(K)=0.01552 *22*; α(L)=0.00210 *3*; α(M)=0.000396 *6* α(N)=6.53×10^{-5} *10*
359.6 *2*	36.5 *28*	1096.31	3^+	736.70	2^+	M1+E2		0.01252	α(K)=0.01093 *16*; α(L)=0.001298 *19*; α(M)=0.000244 *4* α(N)=4.11×10^{-5} *6* Mult.: A_{22}=0.041 *35* gated on 348.7γ and 359.6γ in 1999Lh01.
359.6 *2*	0.3 *1*	2754.81	5^+	2395.20	(5^+)	[E2+M1]		0.01252	α(K)=0.01093 *16*; α(L)=0.001298 *19*; α(M)=0.000244 *4* α(N)=4.11×10^{-5} *6*
388.0 *2*	33.7 *23*	736.70	2^+	348.70	2^+	E2(+M1)	−4.7 *+17−35*	0.01276 *23*	α(K)=0.01099 *20*; α(L)=0.00145 *3*; α(M)=0.000274 *6* α(N)=4.52×10^{-5} *10* Mult.,δ: A_{22}=0.089 *34* gated on 348.7γ and 388.7γ in 1999Lh01.
396.6[&] *4*	0.3 *1*	1759.00	(5^+)	1362.39	(4^+)	[M1+E2]		0.00981	α(K)=0.00857 *13*; α(L)=0.001015 *15*; α(M)=0.000191 *3* α(N)=3.21×10^{-5} *5*
400.3 *2*	4.1 *5*	2754.81	5^+	2354.51	$(4,5^+)$	M1+E2		0.00959	α(K)=0.00838 *12*; α(L)=0.000992 *14*; α(M)=0.000186 *3* α(N)=3.14×10^{-5} *5* Mult.: A_{22}=−0.131 *54* gated on 400.3γ and 534.3γ in 1999Lh01.
435.6 *2*	0.4 *1*	2194.61	$(4)^-$	1759.00	(5^+)	[E1]		0.00265	α(K)=0.00232 *4*; α(L)=0.000270 *4*; α(M)=5.04×10^{-5} *7* α(N)=8.46×10^{-6} *12*
441.3[&] *4*	0.2 *1*	2200.62	$(5,6^+)$	1759.00	(5^+)				
464.7 *4*	0.3 *1*	1887.4	(4^+)	1422.7	2^+	[E2]		0.00741	α(K)=0.00641 *10*; α(L)=0.000823 *12*; α(M)=0.0001551 *23* α(N)=2.57×10^{-5} *4*
479.4 *2*	1.4 *2*	1362.39	(4^+)	882.99	4^+	[M1+E2]		0.00617	α(K)=0.00540 *8*; α(L)=0.000635 *9*; α(M)=0.0001192 *17* α(N)=2.01×10^{-5} *3*
479.7 *2*	1.7 *2*	2194.61	$(4)^-$	1714.91	$(3,4^+)$	[E1]		0.00210	α(K)=0.00184 *3*; α(L)=0.000213 *3*; α(M)=3.97×10^{-5} *6* α(N)=6.67×10^{-6} *10*
485.4 *2*	1.2 *2*	2754.81	5^+	2269.40	(5^-)	[E1]		0.00204	α(K)=0.00178 *3*; α(L)=0.000207 *3*; α(M)=3.86×10^{-5} *6* α(N)=6.49×10^{-6} *10*
485.7 *2*	0.8 *1*	2200.62	$(5,6^+)$	1714.91	$(3,4^+)$				
534.3 *2*	37 *3*	882.99	4^+	348.70	2^+	E2		0.00494	α(K)=0.00428 *6*; α(L)=0.000539 *8*; α(M)=0.0001014 *15* α(N)=1.688×10^{-5} *24* Mult.: A_{22}=0.105 *34* gated on 348.7γ and 534.3γ in 1999Lh01.

$^{112}_{46}Pd_{66}$-2

^{112}Rh β^- decay (6.76 s) 1999Lh01 (continued)

$\gamma(^{112}Pd)$ (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	δ [†#]	α [‡]	Comments
554.2 *2*	1.0 *1*	2754.81	5^+	2200.62	$(5,6^+)$				
560.2 *2*	62 *6*	2754.81	5^+	2194.61	$(4)^-$	[E1]		1.45×10^{-3}	α(K)=0.001274 *18*; α(L)=0.0001470 *21*; α(M)=2.75×10^{-5} *4* α(N)=4.62×10^{-6} *7* Mult.: A_{22}=0.013 *35* gated on 359.6γ and 560.2γ in 1999Lh01.
618.6 *2*	3.8 *4*	1714.91	$(3,4^+)$	1096.31	3^+				
625.7 *2*	5.7 *5*	1362.39	(4^+)	736.70	2^+	[E2]		0.00319	α(K)=0.00277 *4*; α(L)=0.000342 *5*; α(M)=6.43×10^{-5} *9* α(N)=1.074×10^{-5} *15*
640.4 *2*	1.8 *2*	2002.76	(6^+)	1362.39	(4^+)	[E2]		0.00300	α(K)=0.00261 *4*; α(L)=0.000321 *5*; α(M)=6.03×10^{-5} *9* α(N)=1.007×10^{-5} *15*
650.1 *2*	0.4 *1*	2200.62	$(5,6^+)$	1550.50	6^+				
662.7 *2*	5.8 *6*	1759.00	(5^+)	1096.31	3^+	[E2]		0.00274	α(K)=0.00238 *4*; α(L)=0.000292 *4*; α(M)=5.49×10^{-5} *8* α(N)=9.17×10^{-6} *13*
667.5 *2*	9.2 *10*	1550.50	6^+	882.99	4^+	E2		0.00269	α(K)=0.00234 *4*; α(L)=0.000286 *4*; α(M)=5.38×10^{-5} *8* α(N)=8.99×10^{-6} *13* Mult.: A_{22}=0.097 *45* gated on 348.7γ and 667.5γ in 1999Lh01.
726.5 *3*	0.4 *1*	2441.4	$(5,6^+)$	1714.91	$(3,4^+)$				
736.7 *2*	10.6 *12*	736.70	2^+	0.0	0^+	(E2)		0.00209	α(K)=0.00182 *3*; α(L)=0.000220 *3*; α(M)=4.13×10^{-5} *6* α(N)=6.92×10^{-6} *10* Mult.: A_{22}=−0.208 *41* gated on 359.6γ and 736.7γ in 1999Lh01.
747.6 *2*	29 *3*	1096.31	3^+	348.70	2^+	E2(+M1)	−1.65 *10*	0.00205	α(K)=0.00179 *3*; α(L)=0.000214 *3*; α(M)=4.02×10^{-5} *6* α(N)=6.75×10^{-6} *10* Mult.: A_{22}=−0.485 *47* gated on 348.7γ and 747.6γ in 1999Lh01.
791.1 *3*	0.6 *2*	1887.4	(4^+)	1096.31	3^+	M1+E2		0.00191	α(K)=0.001669 *24*; α(L)=0.000194 *3*; α(M)=3.63×10^{-5} *5* α(N)=6.13×10^{-6} *9* Mult.: A_{22}=0.339 *77* gated on 348.7γ and 791.1γ in 1999Lh01.
802.9[&] *4*	0.2 *1*	2754.81	5^+	1951.7	$(3,4^+)$				
831.9 *2*	1.0 *2*	1714.91	$(3,4^+)$	882.99	4^+				
832.2 *2*	0.14 *3*	2194.61	$(4)^-$	1362.39	(4^+)	[E1]		6.17×10^{-4}	α(K)=0.000541 *8*; α(L)=6.19×10^{-5} *9*; α(M)=1.156×10^{-5} *17* α(N)=1.95×10^{-6} *3*
838.2 *2*	0.8 *2*	2200.62	$(5,6^+)$	1362.39	(4^+)				
842.4 *5*	0.3 *1*	3043.4	$(5,6)$	2200.62	$(5,6^+)$				
855.1 *5*	0.4 *1*	1951.7	$(3,4^+)$	1096.31	3^+				
876.0 *4*	0.2 *1*	1759.00	(5^+)	882.99	4^+	[M1+E2]		1.51×10^{-3}	α(K)=0.001327 *19*; α(L)=0.0001535 *22*; α(M)=2.88×10^{-5} *4* α(N)=4.86×10^{-6} *7*
890.9 *3*	0.23 *5*	2441.4	$(5,6^+)$	1550.50	6^+				
963.9 *2*	0.6 *1*	2966.64	$(5,6^+)$	2002.76	(6^+)				
978.2 *2*	2.0 *2*	1714.91	$(3,4^+)$	736.70	2^+				

$^{112}_{46}Pd_{66}$-3

^{112}Rh β^- decay (6.76 s) 1999Lh01 (continued)

$\gamma(^{112}Pd)$ (continued)

E_γ[†]	I_γ[†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	δ[†#]	α[‡]	Comments
993.3[&] *6*	0.07 *3*	2354.51	$(4,5^+)$	1362.39	(4^+)	[M1+E2]		1.14×10^{-3} *2*	α(K)=0.001004 *15*; α(L)=0.0001158 *17*; α(M)=2.17×10^{-5} *3* α(N)=3.66×10^{-6} *6*
995.8 *2*	2.3 *3*	2754.81	5^+	1759.00	(5^+)	[M1+E2]		1.14×10^{-3}	α(K)=0.000998 *14*; α(L)=0.0001151 *17*; α(M)=2.16×10^{-5} *3* α(N)=3.64×10^{-6} *6*
1004.7[&] *5*	0.14 *6*	1887.4	(4^+)	882.99	4^+	[M1+E2]		1.12×10^{-3}	α(K)=0.000979 *14*; α(L)=0.0001129 *16*; α(M)=2.11×10^{-5} *3* α(N)=3.57×10^{-6} *5*
1013.9[&] *4*	0.27 *14*	1362.39	(4^+)	348.70	2^+	[E2]		9.76×10^{-4}	α(K)=0.000853 *12*; α(L)=0.0001005 *15*; α(M)=1.88×10^{-5} *3* α(N)=3.17×10^{-6} *5*
1028.3 *4*	0.12 *4*	2578.8	(6^-)	1550.50	6^+	[E1]		4.07×10^{-4}	α(K)=0.000358 *5*; α(L)=4.07×10^{-5} *6*; α(M)=7.60×10^{-6} *11* α(N)=1.282×10^{-6} *18*
1039.9 *2*	1.2 *2*	2754.81	5^+	1714.91	$(3,4^+)$	[M1,E2]		1.04×10^{-3}	α(K)=0.000908 *13*; α(L)=0.0001046 *15*; α(M)=1.96×10^{-5} *3* α(N)=3.31×10^{-6} *5*
1061.7 *3*	0.4 *1*	2158.0	$(3,4,5^+)$	1096.31	3^+				
1069.2 *6*	0.21 *5*	1951.7	$(3,4^+)$	882.99	4^+				
1079.2	0.27 *7*	2629.7	(5,6,7)	1550.50	6^+				
1098.3 *2*	50 *5*	2194.61	$(4)^-$	1096.31	3^+	E1(+M2)	−0.03 *5*	3.62×10^{-4} *11*	α(K)=0.000318 *10*; α(L)=3.61×10^{-5} *12*; α(M)=6.75×10^{-6} *22* α(N)=1.14×10^{-6} *4* Mult.: A_{22}=0.014 *40* gated on 359.6γ and 1098.3γ in 1999Lh01.
1204.3 *2*	2.5 *4*	2754.81	5^+	1550.50	6^+	M1+E2		7.60×10^{-4}	α(K)=0.000661 *10*; α(L)=7.59×10^{-5} *11*; α(M)=1.420×10^{-5} *20* α(N)=2.40×10^{-6} *4*; α(IPF)=6.58×10^{-6} *10* Mult.: A_{22}=0.078 *73* gated on 348.7γ and 1204.3γ in 1999Lh01.
1214.8 *5*	0.5 *2*	1951.7	$(3,4^+)$	736.70	2^+				
1258.2 *2*	1.0 *2*	2354.51	$(4,5^+)$	1096.31	3^+	[E2]		6.28×10^{-4}	α(K)=0.000536 *8*; α(L)=6.23×10^{-5} *9*; α(M)=1.166×10^{-5} *17* α(N)=1.96×10^{-6} *3*; α(IPF)=1.648×10^{-5} *24*
1298.9 *3*	0.6 *1*	2395.20	(5^+)	1096.31	3^+	[E2]		5.97×10^{-4}	α(K)=0.000502 *7*; α(L)=5.82×10^{-5} *9*; α(M)=1.090×10^{-5} *16* α(N)=1.84×10^{-6} *3*; α(IPF)=2.44×10^{-5} *4*
1311.6 *2*	8.6 *11*	2194.61	$(4)^-$	882.99	4^+	E1+M2	−0.43 *32*	0.00053 *21*	α(K)=0.00038 *20*; α(L)=4.4×10^{-5} *24*; α(M)=8.E−6 *5* α(N)=1.4×10^{-6} *8*; α(IPF)=8.8×10^{-5} *20* Mult.: A_{22}=0.169 *52* gated on 348.7γ and 1311.6γ in 1999Lh01.

$^{112}_{46}Pd_{66}$-4

^{112}Rh β^- decay (6.76 s) 1999Lh01 (continued)

$\gamma(^{112}Pd)$ (continued)

E_γ[†]	I_γ[†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α[‡]	Comments
1317.6 *3*	0.5 *2*	2200.62	$(5,6^+)$	882.99	4^+			
1366.2[&] *4*	0.4 *2*	1714.91	$(3,4^+)$	348.70	2^+			
1386.4 *2*	2.0 *3*	2269.40	(5^-)	882.99	4^+	[E1]	3.91×10^{-4}	α(K)=0.000209 *3*; α(L)=2.36×10^{-5} *4*; α(M)=4.41×10^{-6} *7* α(N)=7.45×10^{-7} *11*; α(IPF)=0.0001528 *22*
1392.4 *3*	0.5 *1*	2754.81	5^+	1362.39	(4^+)	[M1+E2]	5.95×10^{-4}	α(K)=0.000486 *7*; α(L)=5.56×10^{-5} *8*; α(M)=1.041×10^{-5} *15* α(N)=1.759×10^{-6} *25*; α(IPF)=4.11×10^{-5} *6*
1416.1 *2*	0.7 *1*	2966.64	$(5,6^+)$	1550.50	6^+			
1446.9 *3*	1.3 *2*	2543.2	(5^+)	1096.31	3^+	[E2]	5.24×10^{-4}	α(K)=0.000403 *6*; α(L)=4.65×10^{-5} *7*; α(M)=8.71×10^{-6} *13* α(N)=1.468×10^{-6} *21*; α(IPF)=6.41×10^{-5} *9*
1451.1 *3*	0.5 *1*	2334.1	$(5,6^+)$	882.99	4^+			
1457.9[&] *2*	0.2 *2*	2194.61	$(4)^-$	736.70	2^+	[M2]	1.10×10^{-3}	α(K)=0.000940 *14*; α(L)=0.0001100 *16*; α(M)=2.06×10^{-5} *3* α(N)=3.49×10^{-6} *5*; α(IPF)=2.08×10^{-5} *3*
1471.5 *2*	3.4 *5*	2354.51	$(4,5^+)$	882.99	4^+	M1	5.57×10^{-4}	α(K)=0.000433 *6*; α(L)=4.95×10^{-5} *7*; α(M)=9.27×10^{-6} *13* α(N)=1.566×10^{-6} *22*; α(IPF)=6.31×10^{-5} *9* Mult.: A_{22}=0.188 *65* gated on 348.7γ and 1471.5γ in 1999Lh01; δ:−0.017 in 1999Lh01.
1493.1 *4*	0.3 *1*	3043.4	(5,6)	1550.50	6^+			
1512.1 *5*	0.5 *1*	2395.20	(5^+)	882.99	4^+	[M1+E2]	5.43×10^{-4}	α(K)=0.000409 *6*; α(L)=4.68×10^{-5} *7*; α(M)=8.75×10^{-6} *13* α(N)=1.479×10^{-6} *21*; α(IPF)=7.62×10^{-5} *11*
1547.8 *4*	0.7 *2*	2430.8	$(5,6^+)$	882.99	4^+			
1604.2 *5*	0.3 *1*	2966.64	$(5,6^+)$	1362.39	(4^+)			
1658.5 *3*	3.4 *5*	2754.81	5^+	1096.31	3^+	(E2)	4.98×10^{-4}	α(K)=0.000309 *5*; α(L)=3.54×10^{-5} *5*; α(M)=6.63×10^{-6} *10* α(N)=1.118×10^{-6} *16*; α(IPF)=0.0001457 *21* Mult.: A_{22}=−0.105 *89* gated on 359.6γ and 1658.5γ in 1999Lh01 would suggest D, but the level scheme requires ΔJ=2.
1660.3 *5*	0.5 *1*	2543.2	(5^+)	882.99	4^+	[M1+E2]	5.16×10^{-4}	α(K)=0.000338 *5*; α(L)=3.85×10^{-5} *6*; α(M)=7.21×10^{-6} *11* α(N)=1.219×10^{-6} *17*; α(IPF)=0.0001312 *19*
1687.8 *5*	0.3 *1*	2036.5	$(2^-,3,4^+)$	348.70	2^+			
1845.9 *5*	0.5 *2*	2194.61	$(4)^-$	348.70	2^+	[M2]	7.24×10^{-4}	α(K)=0.000544 *8*; α(L)=6.31×10^{-5} *9*; α(M)=1.182×10^{-5} *17* α(N)=2.00×10^{-6} *3*; α(IPF)=0.0001022 *15*
1871.8 *4*	2.3 *4*	2754.81	5^+	882.99	4^+	[M1+E2]	5.24×10^{-4}	α(K)=0.000265 *4*; α(L)=3.02×10^{-5} *5*; α(M)=5.65×10^{-6} *8* α(N)=9.55×10^{-7} *14*; α(IPF)=0.000222 *4*
2208.9 *5*	0.6 *2*	3759.6	$(5,6^+)$	1550.50	6^+			
2397.6 *8*	0.3 *1*	3759.6	$(5,6^+)$	1362.39	(4^+)			
2409.6 *7*	0.5 *1*	3772.0	$(5,6^+)$	1362.39	(4^+)			
2911.3 *8*	0.5 *2*	3794.3	$(5,6^+)$	882.99	4^+			
3057.3 *8*	0.6 *2*	3940.3	$(5,6^+)$	882.99	4^+			

[†] From 1999Lh01.
[‡] Additional information 1.

$^{112}_{46}Pd_{66}$-5

^{112}Rh β^- decay (6.76 s) 1999Lh01 (continued)

$\gamma(^{112}Pd)$ (continued)

[#] If No value given it was assumed δ=0.00 for E2/M1, δ=1.00 for E3/M2 and δ=0.10 for the other multipolarities.
[@] For absolute intensity per 100 decays, multiply by 0.890 *9*.
[&] Placement of transition in the level scheme is uncertain.

^{112}Rh β^- decay (6.76 s) 1999Lh01

Decay Scheme

Intensities: I_γ per 100 parent decays

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

(6^+) y 6.76 s *12*
Q_{β^-}=6589 *44* $\%\beta^-$=100
$^{112}_{45}Rh_{67}$

$I\beta^-$	Log *ft*		
0.53	6.16	$(5,6^+)$	3940.3
0.45	6.33	$(5,6^+)$	3794.3
0.45	6.34	$(5,6^+)$	3772.0
0.80	6.10	$(5,6^+)$	3759.6
0.53	6.70	(5,6)	3043.4
1.42	6.31	$(5,6^+)$	2966.64
72	4.71	5^+	2754.81
0.24	7.25	(5,6,7)	2629.7
0.11	7.61	(6^-)	2578.8
1.60	6.47	(5^+)	2543.2
0.56	6.97	$(5,6^+)$	2441.4
0.62	6.93	$(5,6^+)$	2430.8
0.71	6.89	(5^+)	2395.20
<1.2	>7.1	$(4,5^+)$	2354.51
0.7	6.95	(5^-)	2269.40
1.1	6.78	$(5,6^+)$	2200.62
		$(4)^-$	2194.61
1.07	6.88	(6^+)	2002.76
		$(3,4^+)$	1951.7
2.9	6.54	(5^+)	1759.00
		$(3,4^+)$	1714.91
3.7	6.52	6^+	1550.50
		(4^+)	1362.39
		3^+	1096.31
		4^+	882.99
		0^+	0.0

$^{112}_{46}Pd_{66}$

^{112}Rh β^- decay (6.76 s) 1999Lh01

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays