

$^{101}\text{Pd } \varepsilon$ decay (8.47 h) 1972Ny01, 1970Ph04

Type	Author	Citation	History Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2006

Parent: ^{101}Pd : E=0.0; $J^\pi=5/2^+$; $T_{1/2}=8.47$ h 6; $Q(\varepsilon)=1980$ 4; $\% \varepsilon + \% \beta^+$ decay=100.0

Others: 1965Ev04, 1965Dz05, 1974HeYW.

$Q(\varepsilon)=1982$ 4 (1971Ib01) from $E(\beta^+)=776$ 4 to $E(\text{level})=182$, and $E(\beta^+)=488$ 12 to $E(\text{level})=478$ (weighted av).

 ^{101}Rh Levels

E(level)	$J^\pi \dagger$	$T_{1/2} \dagger$	Comments
0.0	$1/2^-$	$3.3 \text{ y } 3$	
157.41 3	$9/2^+$	$4.34 \text{ d } 1$	
181.87 3	$(7/2)^+$	$1.91 \text{ ns } 6$	$T_{1/2}$: from (ce(K) 296 γ)(ce(L) 24 γ)(t): 1970Va33 (s), other: 1.77 ns 5 (1974BeZJ) $\gamma\gamma(t)$.
305.5 3	$3/2^-, 5/2^-$		
355.33 9	$5/2^-$		
478.15 4	$(5/2)^+$	$68 \text{ ps } 16$	$T_{1/2}$: from (ce(K) 269.7 γ)(ce(K) 296 γ)(t): 1970Va33 (s). Other: 66 ps 10 (1974BeZJ) $\gamma\gamma(t)$.
747.86 5	$(7/2)^+$	$\leq 0.2 \text{ ns}$	$T_{1/2}$: from 1974BeZJ (K x ray)(590 γ)(t).
851.43 11	$7/2^-, 9/2^-$		E(level): not seen in (p,t) but confirmed in (p,ny).
905.77 5	$(5/2, 7/2)^+$		
978.54 11	$(7/2^+, 9/2^+)$		
1035.79 7	$(5/2)^+$		
1058.0 3	$3/2^-, 5/2^-$		
1320.2 4	$(3/2)$		
1359.47 5	$7/2^+$		
1470.91 5	$5/2^+, 7/2^+$		J^π : $A_2=0.124$ 16, $A_4=0.036$ 12 (1973BeXV) (993 γ)(296 γ) (θ) .
1604.4 3	$(7/2^-, 9/2^-)$		
1696.42 8	$(5/2)^+$		
1789.64 12	$(5/2, 7/2)^+$		
1820.67 10	$(5/2, 7/2)^+$		
1845.40 19			
1911.52 21			

\dagger From Adopted Levels.

 ε, β^+ radiations

E(decay)	E(level)	$I\beta^+ \dagger$	$I\varepsilon \dagger$	Log ft	$I(\varepsilon + \beta^+) \dagger$	Comments
(68 4)	1911.52		≈ 0.05	≈ 5.5	≈ 0.05	$\varepsilon K = 0.764$ 10; $\varepsilon L = 0.188$ 8; $\varepsilon M+ = 0.0483$ 23
(159 4)	1820.67		0.23	5.7	0.23	$\varepsilon K = 0.8340$ 11; $\varepsilon L = 0.1333$ 9; $\varepsilon M+ = 0.03275$ 24
(190 4)	1789.64		0.29	5.8	0.29	$\varepsilon K = 0.8405$; $\varepsilon L = 0.1282$ 6; $\varepsilon M+ = 0.03132$ 16
(284 4)	1696.42		0.58	5.8	0.58	$\varepsilon K = 0.8506$; $\varepsilon L = 0.12026$ 23; $\varepsilon M+ = 0.02910$ 7
(509 4)	1470.91	4.0 4		5.5	4.0 4	$\varepsilon K = 0.8590$; $\varepsilon L = 0.11370$; $\varepsilon M+ = 0.02728$
(621 4)	1359.47	2.7 3		5.9	2.7 3	$\varepsilon K = 0.8608$; $\varepsilon L = 0.11229$; $\varepsilon M+ = 0.02689$
(660 4)	1320.2		≈ 0.04	≈ 7.8	≈ 0.04	$\varepsilon K = 0.8613$; $\varepsilon L = 0.11191$; $\varepsilon M+ = 0.02678$
(922 4)	1058.0		≈ 0.02	≈ 8.4	≈ 0.02	$\varepsilon K = 0.8635$; $\varepsilon L = 0.11023$; $\varepsilon M+ = 0.02632$
(944 4)	1035.79		≈ 0.04	≈ 8.1	≈ 0.04	$\varepsilon K = 0.8636$; $\varepsilon L = 0.11013$; $\varepsilon M+ = 0.02629$
(1074 4)	905.77	1.7 2		6.6	1.7 2	$\varepsilon K = 0.8642$; $\varepsilon L = 0.10964$; $\varepsilon M+ = 0.02615$
(1232 4)	747.86	21.6 20		5.6	21.6 20	av $E\beta = 101.6$ 18; $\varepsilon K = 0.8643$; $\varepsilon L = 0.10912$; $\varepsilon M+ = 0.02601$ $I\beta^+$: 0.013 derived from $\varepsilon/\beta^+=1715$ (theory).
1510 12	478.15	0.19 2	11.4 10	6.0	11.6 10	av $E\beta = 218.5$ 18; $\varepsilon K = 0.8516$; $\varepsilon L = 0.10690$; $\varepsilon M+ = 0.02546$ $E(\beta^+)=488$ 12 (1971Ib01), 495 25 (1965Ev04) s, F-K plot.

Continued on next page (footnotes at end of table)

$^{101}\text{Pd } \varepsilon$ decay (8.47 h) 1972Ny01,1970Ph04 (continued)

ε, β^+ radiations (continued)

E(decay)	E(level)	$I\beta^+ \dagger$	$I\varepsilon \dagger$	Log ft	$I(\varepsilon + \beta^+) \dagger$	Comments
(1625 4)	355.33		0.157 20	7.94 6	0.157 20	$I\beta^+$: from $\% \varepsilon + \% \beta^+ = 11.6$ via level scheme intensity balance and $\varepsilon/\beta^+ = 61.4$ (theory). Other: 0.44 13 from $I(\text{ce(K)} 296\gamma)/I\beta(488\beta) = 0.74$ 21 (1971Ib01). $I\beta(776\beta)/I\beta(488\beta) = 14$ 3 (1971Ib01), 4.9 (1965Ev04). av $E\beta = 271.4$ 18; $\varepsilon K = 0.8341$; $\varepsilon L = 0.10448$; $\varepsilon M = 0.024880$
(1675 4)	305.5		0.18 5	7.92 13	0.18 5	av $E\beta = 346.7$ 18; $\varepsilon K = 0.7917$ 13; $\varepsilon L = 0.09894$ 16; $\varepsilon M = 0.02355$ 4
1798 4	181.87	4.88 12	52.2 13	5.49	57.1 13	E(decay): $E(\beta^+) = 776$ 4 (1971Ib01), 785 15 (1965Ev04) s, F-K plot. Others: 1949Eg04 , 1956Ka25 . $I\beta^+$: from $\% \varepsilon + \% \beta^+ = 57.1$ 14 via level scheme intensity balance and $\varepsilon/\beta^+ = 10.7$ (theory). Other: 6.2 6 from $I(\text{ce(K)} 296\gamma)/I\beta(776\beta) = 0.052$ 3 (1971Ib01).

[†] Absolute intensity per 100 decays.

¹⁰¹Pd ε decay (8.47 h) 1972Ny01, 1970Ph04 (continued)

$\gamma(^{101}\text{Rh})$

I γ normalization: for $\Sigma(I\gamma+ce)=100$ to 0.0+157.3 levels (excluding 157 transition), if %($\varepsilon+\beta^+$)-branchings are negligible.

$\gamma\gamma$ -coin: 1970Ph04, 1972Ny01; (ce) γ -coin: 1965Ev04.

$\alpha(K)\exp=ce(K)/I\gamma$ (1972Ny01) normalized to $\alpha(K)(296\gamma)=0.0170$ (M1+7.8% E2, theory). Other: ce(K)/I γ (1970Ph04) simultaneous measurement.

	E γ [†]	I γ ^{†#}	E _i (level)	J $^\pi_i$	E _f	J $^\pi_f$	Mult. [‡]	δ	α [@]	Comments
	24.46 1	20.3 8	181.87	(7/2) ⁺	157.41	9/2 ⁺	M1+E2	0.019 +3-2	20.1	$\alpha(K)=17.38$ 25; $\alpha(L)=2.27$ 5; $\alpha(M)=0.423$ 9; $\alpha(N+..)=0.0730$ 15 $\alpha(N)=0.0697$ 14; $\alpha(O)=0.00332$ 5 B(M1)(W.u.)=0.0360 16; B(E2)(W.u.)=20 7 I γ : from 1970Ph04. Other: 22 4 (1972Ny01) calc from I(ce(L))/ $\alpha(L)$. δ : from L-subshell ratios (1972Ny01). L1/L2=13.2 24, L1/L3=24 6, L2/L3=1.8 6 and L1/M=4.8 6. Measured I(ce(L)+ce(M)+ce(N))=61 5 (1972Ny01) normalized to I(ce(K) 296 γ)=17.0.
3	111.40 8	0.06 2	1470.91	5/2 ⁺ , 7/2 ⁺	1359.47	7/2 ⁺	M1(+E2)	<0.55	0.34 8	$\alpha(K)=0.2222$; $\alpha(L)=0.0270$; $\alpha(M)=0.00501$; $\alpha(N+..)=0.00098$ $\alpha(K)\exp=0.22$ +2/-8 E γ : E γ , I γ from 1970Ph04.
	129.7 10	0.08 4	1035.79	(5/2) ⁺	905.77	(5/2, 7/2) ⁺			0.065	$\alpha(K)=0.0566$; $\alpha(L)=0.00666$; $\alpha(M)=0.00122$;
	132.8 5	0.11 4	1604.4	(7/2 ⁻ , 9/2 ⁻)	1470.91	5/2 ⁺ , 7/2 ⁺	E1			$\alpha(N+..)=0.00023$ $\alpha(K)\exp=0.039$ +26/-16 $\alpha(K)=21.1$ 3; $\alpha(L)=6.61$ 10; $\alpha(M)=1.332$ 19; $\alpha(N+..)=0.218$ 3 $\alpha(N)=0.211$ 3; $\alpha(O)=0.00642$ 9 B(M4)(W.u.)=31.2 9 E γ , Mult.: from ¹⁰¹ Rh IT decay.
	157.41 3		157.41	9/2 ⁺	0.0	1/2 ⁻	M4	29.2		
	158.0 5	0.12 5	905.77	(5/2, 7/2) ⁺	747.86	(7/2) ⁺			0.0304	$\alpha(K)=0.0265$; $\alpha(L)=0.00309$; $\alpha(M)=0.00057$; $\alpha(N+..)=0.00011$ $\alpha(K)\exp<0.050$
	x171.0 5	0.09 5					E1			
	x173.1 5	0.12 5								
	185.0 10	0.05 2	1789.64	(5/2, 7/2) ⁺	1604.4	(7/2 ⁻ , 9/2 ⁻)			0.024	$\alpha(K)=0.0207$ 3; $\alpha(L)=0.00245$ 4; $\alpha(M)=0.000456$ 7; $\alpha(N+..)=7.95\times 10^{-5}$ 12 $\alpha(N)=7.57\times 10^{-5}$ 11; $\alpha(O)=3.84\times 10^{-6}$ 6 $\alpha(K)\exp=0.0197$ 7 B(M1)(W.u.)>0.0016 I γ : others: 30.9 10 (1970Ph04), 39 3 (1974HeYW). $\alpha(K)\exp$: others: 0.022 1 (1970Ph04) ce(K)/I, K/L= 8.18 45(1972Ny01).
	269.67 7	33.5 6	747.86	(7/2) ⁺	478.15	(5/2) ⁺	M1			

¹⁰¹Pd ε decay (8.47 h) 1972Ny01, 1970Ph04 (continued)

<u>$\gamma^{(101)\text{Rh}}$ (continued)</u>										
E_γ^{\dagger}	$I_\gamma^{\dagger\#}$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. [‡]	δ	$\alpha^@$	Comments	
296.29 3	100	478.15	(5/2) ⁺	181.87	(7/2) ⁺	M1+E2	0.28 4	0.0187	$\alpha(K)=0.0169$ 3; $\alpha(L)=0.00204$ 4; $\alpha(M)=0.000380$ 7; $\alpha(N+..)=6.59 \times 10^{-5}$ 12 $\alpha(N)=6.28 \times 10^{-5}$ 12; $\alpha(O)=3.11 \times 10^{-6}$ 5 $\alpha(K)\text{exp}=0.0175$ 8 (1970Ph04) B(M1)(W.u.)=0.011 3; B(E2)(W.u.)=9 4 δ : 0.28 4; upper limit is from L1/(L2+L3)=15 4; lower limit from K/L= 8.20 12 (1972Ny01). I_γ : from intensity balance about 305 level and $I_\gamma < 0.26$ from and assumption of M1 mult. For E2 one would get $I_\gamma < 0.18$.	
305.3 6	0.20 5	305.5	3/2 ⁻ , 5/2 ⁻	0.0	1/2 ⁻					
320.74 4	2.94 15	478.15	(5/2) ⁺	157.41	9/2 ⁺	E2		0.0226	$\alpha(K)=0.0194$ 3; $\alpha(L)=0.00262$ 4; $\alpha(M)=0.000489$ 7; $\alpha(N+..)=8.25 \times 10^{-5}$ 12 $\alpha(N)=7.92 \times 10^{-5}$ 11; $\alpha(O)=3.29 \times 10^{-6}$ 5 $\alpha(K)\text{exp}=0.0222$ 20 B(E2)(W.u.)=2.5 6	
355.30 10	1.16 7	355.33	5/2 ⁻	0.0	1/2 ⁻	E2(+M1)	>1.5	0.0155 7	$\alpha(K)=0.01394$ 20; $\alpha(L)=0.00184$ 3; $\alpha(M)=0.000344$ 5; $\alpha(N+..)=5.82 \times 10^{-5}$ 9 $\alpha(N)=5.59 \times 10^{-5}$ 8; $\alpha(O)=2.39 \times 10^{-6}$ 4 $\alpha(K)\text{exp}=0.0148$ 19 Mult.: M1 excluded from adopted $\Delta J=2$.	
374.6 2	0.03 2	1845.40		1470.91	5/2 ⁺ , 7/2 ⁺					
381.2 2	0.20 4	1359.47	7/2 ⁺	978.54	(7/2 ⁺ , 9/2 ⁺)	M1,E2			$\alpha(K)\text{exp}=0.0080$ +21-15 $\alpha(K)\text{exp}=0.0079$ 10	
427.65 8	0.51 3	905.77	(5/2, 7/2) ⁺	478.15	(5/2) ⁺	M1,E2			$\alpha(K)=0.00742$; $\alpha(L)=0.00094$; $\alpha(M)=0.00018$	
435.08 8	0.33 4	1470.91	5/2 ⁺ , 7/2 ⁺	1035.79	(5/2) ⁺	E2			$\alpha(K)\text{exp}=0.0084$ +15-10 $\alpha(K)\text{exp}=0.0056$ 4	
453.70 5	3.15 12	1359.47	7/2 ⁺	905.77	(5/2, 7/2) ⁺	M1+E2	<0.8		$\alpha(K)\text{exp}=0.0064$ +39-19	
492.0 2	0.05 2	1470.91	5/2 ⁺ , 7/2 ⁺	978.54	(7/2 ⁺ , 9/2 ⁺)				$\alpha(K)=0.00478$ 25; $\alpha(L)=0.00058$ 5; $\alpha(M)=0.000108$ 10; $\alpha(N+..)=1.86 \times 10^{-5}$ 15 $\alpha(N)=1.78 \times 10^{-5}$ 15; $\alpha(O)=8.59 \times 10^{-7}$ 24	
496.08 15	0.17 5	851.43	7/2 ⁻ , 9/2 ⁻	355.33	5/2 ⁻	M1,E2				
544.9		851.43	7/2 ⁻ , 9/2 ⁻	305.5	3/2 ⁻ , 5/2 ⁻				I_γ : inferred from $\gamma\gamma$ -coin spectra. $\alpha(K)\text{exp}=0.00339$ 19	
565	1.1 4	1470.91	5/2 ⁺ , 7/2 ⁺	905.77	(5/2, 7/2) ⁺				$\alpha(K)\text{exp}$: other: 0.0035 4 (1970Ph04) doublet ce(K)/ I_γ . $\alpha(K)\text{exp}=0.00306$ 9	
565.98 5	17.9 4	747.86	(7/2) ⁺	181.87	(7/2) ⁺	M1,E2			I_γ : others: 61.6 10 (1970Ph04), 70 4 (1974HeYW). $\alpha(K)\text{exp}$: others: 0.0031 2 (1970Ph04) ce(K)/ I_γ , K/L= 8.20 (1972Ny01).	
590.44 6	62.8 10	747.86	(7/2) ⁺	157.41	9/2 ⁺	M1,E2			$\alpha(K)\text{exp}=0.0027$ 7	
611.44 10	0.49 5	1359.47	7/2 ⁺	747.86	(7/2) ⁺	M1,E2			$\alpha(K)\text{exp}=0.0034$ +21-14	
619.45 12	0.21 3	1470.91	5/2 ⁺ , 7/2 ⁺	851.43	7/2 ⁻ , 9/2 ⁻				$\alpha(K)\text{exp}=0.0026$ +11-60	
702.4 3	0.09 3	1058.0	3/2 ⁻ , 5/2 ⁻	355.33	5/2 ⁻					
722.9 2	1.4 4	1470.91	5/2 ⁺ , 7/2 ⁺	747.86	(7/2) ⁺	M1,E2				

¹⁰¹Pd ε decay (8.47 h) 1972Ny01,1970Ph04 (continued)

$\gamma(^{101}\text{Rh})$ (continued)							
E_γ^{\dagger}	$I_\gamma^{\ddagger\#}$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. ‡	Comments
723.75 10	10.2 6	905.77	(5/2,7/2) ⁺	181.87	(7/2) ⁺	M1+E2	I_γ : from $I\gamma(722.9\gamma+723.75\gamma)=11.6$ and $I\gamma(722.9\gamma/723.75\gamma)=0.14$ 3 (1970Ph04). $\alpha(K)\exp=0.0021$ 2 I_γ : see 722.9, doublet: 12.2 12 (1970Ph04) apportioned via $\gamma\gamma$ -coin spectra. Other: 14.4 16 (1974HeYW).
748.37 5	2.61 10	905.77	(5/2,7/2) ⁺	157.41	9/2 ⁺	M1,E2	$\alpha(K)\exp=0.00177$ 14
787.0 4	0.025 12	1845.40		1058.0	3/2 ⁻ ,5/2 ⁻		
790.4 2	0.12 2	1696.42	(5/2) ⁺	905.77	(5/2,7/2) ⁺	M1,E2	$\alpha(K)\exp=0.0024$ +9-8
796.62 15	0.14 2	978.54	(7/2 ⁺ ,9/2 ⁺)	181.87	(7/2) ⁺	M1,E2	$\alpha(K)\exp=0.0023$ 9
821.2 6	0.10 4	978.54	(7/2 ⁺ ,9/2 ⁺)	157.41	9/2 ⁺		
853.89 7	0.46 4	1035.79	(5/2) ⁺	181.87	(7/2) ⁺	M1,E2	$\alpha(K)\exp=0.0012$ 3.
857.0 5	0.04 2	1604.4	(7/2 ⁻ ,9/2 ⁻)	747.86	(7/2) ⁺		
^x 870.7 2	0.11 3						
881.29 8	0.56 5	1359.47	7/2 ⁺	478.15	(5/2) ⁺	M1,E2	$\alpha(K)\exp=0.0013$ 3
905.8 3	0.04 2	905.77	(5/2,7/2) ⁺	0.0	1/2 ⁻		
^x 911.8 4	0.11 3						
914.86 12	0.39 4	1820.67	(5/2,7/2) ⁺	905.77	(5/2,7/2) ⁺	M1,E2	$\alpha(K)\exp=0.0013$ 3
949.0 4	0.04 2	1696.42	(5/2) ⁺	747.86	(7/2) ⁺		
965.2 5	0.10 5	1320.2	(3/2)	355.33	5/2 ⁻		
992.84 6	4.9 3	1470.91	5/2 ⁺ ,7/2 ⁺	478.15	(5/2) ⁺	M1,E2	$\alpha(K)\exp=0.00092$ 8
1014.6 2	0.12 4	1320.2	(3/2)	305.5	3/2 ⁻ ,5/2 ⁻	M1,E2	$\alpha(K)\exp=0.00068$ 9
1041.73 15	0.29 4	1789.64	(5/2,7/2) ⁺	747.86	(7/2) ⁺	M1,E2	$\alpha(K)\exp=0.0011$ 4
1072.9 2	0.15 4	1820.67	(5/2,7/2) ⁺	747.86	(7/2) ⁺		
1163.6 7	0.05 3	1911.52		747.86	(7/2) ⁺		I_γ : $I\gamma$ from 1970Ph04.
1165.7 7	0.05 3	1470.91	5/2 ⁺ ,7/2 ⁺	305.5	3/2 ⁻ ,5/2 ⁻		I_γ : $I\gamma$ from 1970Ph04.
1177.63 8	1.84 10	1359.47	7/2 ⁺	181.87	(7/2) ⁺	M1+E2	$\alpha(K)\exp=0.00068$ 9
1202.04 6	7.9 3	1359.47	7/2 ⁺	157.41	9/2 ⁺	M1(+E2)	$\alpha(K)\exp=0.00062$ 4
1218.28 7	2.71 10	1696.42	(5/2) ⁺	478.15	(5/2) ⁺	M1(+E2)	$\alpha(K)\exp=0.00062$ 6
1289.05 5	11.9 3	1470.91	5/2 ⁺ ,7/2 ⁺	181.87	(7/2) ⁺	M1	$\alpha(K)=0.00053$ $\alpha(K)\exp=0.00056$ 3
1311.5 3	0.82 15	1789.64	(5/2,7/2) ⁺	478.15	(5/2) ⁺		I_γ : see 1313.5, doublet: 1.5 3 (1970Ph04) apportioned via $\gamma\gamma$ -coin spectra. Other: 1.4 16 (1974HeYW).
1313.5 3	0.38 10	1470.91	5/2 ⁺ ,7/2 ⁺	157.41	9/2 ⁺		Mult.: $\alpha(K)\exp=0.00053$ 11 for the 1311+1313 γ 's.
1342.5 2	0.13 2	1820.67	(5/2,7/2) ⁺	478.15	(5/2) ⁺		I_γ : from $I\gamma(1311\gamma+1313\gamma)=1.20$ and $I\gamma(1311\gamma/1313\gamma)=0.46$ 13 (1970Ph04).
1391.2 6	0.03 1	1696.42	(5/2) ⁺	305.5	3/2 ⁻ ,5/2 ⁻		
1433.4 3	0.15 3	1911.52		478.15	(5/2) ⁺		
1447.0 5	0.02 1	1604.4	(7/2 ⁻ ,9/2 ⁻)	157.41	9/2 ⁺		
^x 1512.4 3	0.13 3						
1514.6 3	0.10 3	1696.42	(5/2) ⁺	181.87	(7/2) ⁺		
1607.7 3	0.14 2	1789.64	(5/2,7/2) ⁺	181.87	(7/2) ⁺		
1632.5 3	0.10 2	1789.64	(5/2,7/2) ⁺	157.41	9/2 ⁺	M1,E2	$\alpha(K)\exp=0.00027$ 17
1638.6 3	0.52 5	1820.67	(5/2,7/2) ⁺	181.87	(7/2) ⁺	M1,E2	$\alpha(K)\exp=0.00039$ 10

¹⁰¹Pd ε decay (8.47 h) 1972Ny01, 1970Ph04 (continued)

$\gamma(^{101}\text{Rh})$ (continued)

E_γ^\dagger	$I_\gamma^{\dagger\#}$	$E_i(\text{level})$	J_i^π	E_f	J_f^π
^x 1646.5 10	0.009 5				
1663.6 4	0.011 6	1820.67	(5/2,7/2) ⁺	157.41 9/2 ⁺	
1729.6 3	0.045 15	1911.52		181.87 (7/2) ⁺	

[†] Are from 1972Ny01, unless otherwise noted.

[‡] From ce.

[#] For absolute intensity per 100 decays, multiply by 0.192 8.

[@] 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.

^x γ ray not placed in level scheme.

^{101}Pd ϵ decay (8.47 h) 1972Ny01,1970Ph04

$^{45}\text{Rh}^{56-7}$

Legend

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

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

Decay Scheme

