

**Adopted Levels, Gammas**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 110,1239 (2009)	1-Feb-2008

Q(β<sup>-</sup>)=3682 7; S(n)=7547 19; S(p)=9523 12; Q(α)=-5982 11 [2012Wa38](#)

Note: Current evaluation has used the following Q record 3.65E+3 3 7.65×10<sup>3</sup> 6 9660 60 -5.68e+315 [2003Au03](#).

Band assignments are from <sup>208</sup>Pb(<sup>18</sup>O,Fγ).

<sup>111</sup>Rh Levels

Cross Reference (XREF) Flags

- A <sup>111</sup>Ru β<sup>-</sup> decay
- B <sup>208</sup>Pb(<sup>18</sup>O,Fγ)
- C <sup>252</sup>Cf SF decay

E(level) <sup>#</sup>	J <sup>π</sup> <sup>†</sup>	T <sub>1/2</sub> <sup>‡</sup>	XREF	Comments
0.0 <sup>@</sup>	(7/2 <sup>+</sup> )	11 s 1	ABC	%β <sup>-</sup> =100 T <sub>1/2</sub> : 11 s 1 ( <a href="#">1978Fr16</a> ) 275 γ-decay curve; 13.5 s 15 ( <a href="#">1976MaYL</a> ) <sup>252</sup> Cf SF, timed gas-separation method, 275 γ-decay curve. J <sup>π</sup> : allowed (log ft=4.7) β <sup>-</sup> from (5/2 <sup>+</sup> ), Systematics in odd-A Rh supports the (7/2 <sup>+</sup> ).
211.53 <sup>&amp;</sup> 11	(9/2 <sup>+</sup> )	<0.5 ns	ABC	J <sup>π</sup> : M1 γ to (7/2 <sup>+</sup> ) gives 5/2 <sup>+</sup> ,7/2 <sup>+</sup> ,9/2 <sup>+</sup> . 9/2 <sup>+</sup> is preferred by similarity with <sup>109</sup> Rh.
303.45 <sup>d</sup> 12	(3/2 <sup>+</sup> )	<0.5 ns	ABC	J <sup>π</sup> : E2 γ to (7/2 <sup>+</sup> ) gives 3/2 <sup>+</sup> to 11/2 <sup>+</sup> . No transition to (9/2 <sup>+</sup> ) favors (3/2 <sup>+</sup> ).
382.02 <sup>d</sup> 12	(5/2 <sup>+</sup> )	0.3 ns 2	A C	J <sup>π</sup> : M1 γ to (3/2 <sup>+</sup> ), E2 γ to (7/2 <sup>+</sup> ) from syst (5/2 <sup>+</sup> ) is preferred.
394.95 <sup>e</sup> 17	(3/2 <sup>+</sup> )	87 ns 8	ABC	J <sup>π</sup> : based on assumption that this level is the lowest member of intruder band. T <sub>1/2</sub> : from γγ(t) ( <a href="#">1990Ro13</a> ).
417.3 4			A	
440.42 <sup>&amp;</sup> 23	(1/2 <sup>+</sup> )	4.8 ns 5	A C	J <sup>π</sup> : M1 γ to (3/2 <sup>+</sup> ), member of the intruder band.
490.74 <sup>@</sup> 23	(11/2 <sup>+</sup> )		ABC	
492.73 <sup>g</sup> 21	(1/2 <sup>-</sup> )	6.8 ns 4	ABC	J <sup>π</sup> : syst of odd-A Rh.
567.48 <sup>e</sup> 18	(7/2 <sup>+</sup> )		ABC	J <sup>π</sup> : member of the intruder band.
586.3 3			A	
608.3 <sup>a</sup> 3	(11/2 <sup>+</sup> )		ABC	
632.37 13	(7/2 <sup>+</sup> )	<0.5 ns	A	J <sup>π</sup> : M1 γ to (5/2 <sup>+</sup> ).
661.2 4			A	
663.14 <sup>f</sup> 20	(5/2 <sup>+</sup> )	<0.5 ns	A C	
681.3 3	(3/2 <sup>-</sup> )		A C	J <sup>π</sup> : syst of odd-A Rh.
684.8 5			A	
715.4 <sup>&amp;</sup> 3	(13/2 <sup>+</sup> )		B	
732.7 <sup>g</sup> 3	(5/2 <sup>-</sup> )		ABC	
860.3 3	(3/2 <sup>-</sup> )		A	
922.5 <sup>e</sup> 10	(11/2 <sup>+</sup> )		BC	
936.0 5			A	
960.4 4	(3/2,5/2)		A	
976.8 3	(5/2 <sup>-</sup> )		A	
1018.02 22	(3/2)		A C	
1019.0 <sup>b</sup> 3	(13/2 <sup>+</sup> )		B	
1038.9 3	(5/2,7/2)		A	
1044.93 <sup>f</sup> 23	(9/2 <sup>+</sup> )		C	
1055.01 22			A	
1096.40 21	(3/2,5/2)		A	

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Adopted Levels, Gammas (continued) $^{111}\text{Rh}$  Levels (continued)

E(level)#	$J^\pi^\dagger$	XREF	Comments
1157.8 <sup>@</sup> 3	(15/2 <sup>+</sup> )	BC	
1159.5 4	(3/2,5/2,7/2)	A	
1168.3 <sup>g</sup> 5	(9/2 <sup>-</sup> )	BC	
1348.82 17	(3/2,5/2,7/2)	A	
1373.3 <sup>a</sup> 3	(15/2 <sup>+</sup> )	BC	
1382.4 <sup>&amp;</sup> 3	(17/2 <sup>+</sup> )	BC	
1444.4 <sup>e</sup> 11	(15/2 <sup>+</sup> )	BC	
1548.1 <sup>b</sup> 4	(17/2 <sup>+</sup> )	BC	
1759.3 <sup>g</sup> 11	(13/2 <sup>-</sup> )	BC	
1780.2 7		A	
1898.05 18	(5/2,7/2)	A	
1931.8 <sup>@</sup> 3	(19/2 <sup>+</sup> )	BC	
1949.9 <sup>a</sup> 3	(19/2 <sup>+</sup> )	BC	
2033.94 18	(5/2,7/2)	A	
2111.7 <sup>c</sup> 3	(19/2,21/2)	BC	
2112.4 <sup>e</sup> 15	(19/2 <sup>+</sup> )	BC	
2126.74 22	(3/2 <sup>+</sup> )	A	$J^\pi$ : allowed (log $ft=4.6$ ) $\beta^-$ from (5/2 <sup>+</sup> ).
2155.7 <sup>&amp;</sup> 3	(21/2 <sup>+</sup> )	BC	
2214.77 25	(3/2 <sup>+</sup> ,5/2 <sup>+</sup> ,7/2 <sup>+</sup> )	A	$J^\pi$ : allowed (log $ft=4.4$ ) $\beta^-$ from (5/2 <sup>+</sup> ).
2354.4 <sup>c</sup> 3	(21/2,23/2)	C	
2603.2 <sup>a</sup> 3	(23/2 <sup>+</sup> )	C	
2649.8 <sup>c</sup> 3	(23/2,25/2)	BC	
2732.1 <sup>@</sup> 3	(23/2 <sup>+</sup> )	C	
2893.4 <sup>&amp;</sup> 3	(25/2 <sup>+</sup> )	BC	
2903.7 <sup>e</sup> 15	(23/2 <sup>+</sup> )	C	
2963.5 <sup>c</sup> 3	(25/2,27/2)	BC	
3271.3 <sup>@</sup> 4	(27/2 <sup>+</sup> )	BC	
3324.4 <sup>c</sup> 3	(27/2,29/2)	BC	
3522.8 <sup>&amp;</sup> 4	(29/2 <sup>+</sup> )	BC	
3741.6 <sup>c</sup> 3	(29/2,31/2)	C	
3932.3 <sup>@</sup> 4	(31/2 <sup>+</sup> )	C	
4248.2 <sup>&amp;</sup> 4	(33/2 <sup>+</sup> )	C	

<sup>†</sup>  $J^\pi$  without comments are based on band assignments and syst.

<sup>‡</sup> From  $^{111}\text{Ru}$   $\beta^-$  Decay (1998Lh02).

# From least-squares fit to  $E\gamma$ 's (by evaluator).

@ Band(A): g.s. band,  $\alpha=-1/2$ .

& Band(a): g.s. band,  $\alpha=+1/2$ .

<sup>a</sup> Band(B): 11/2<sup>+</sup> band,  $\alpha=-1/2$ .

<sup>b</sup> Band(b): 13/2<sup>+</sup> band,  $\alpha=+1/2$ .

<sup>c</sup> Band(C): (19/2,21/2) band.

<sup>d</sup> Band(D): 3/2<sup>+</sup> band.

<sup>e</sup> Band(E):  $\pi 1/2[431]$  band,  $\alpha=-1/2$ .

<sup>f</sup> Band(e):  $\pi 1/2[431]$  band,  $\alpha=+1/2$ .

<sup>g</sup> Band(F):  $\pi 1/2[301]$  band.

**Adopted Levels, Gammas (continued)**

$\gamma(^{111}\text{Rh})$							
$E_i(\text{level})$	$J_i^\pi$	$E_\gamma^\dagger$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult. <sup>‡</sup>	$\alpha^@$
211.53	(9/2 <sup>+</sup> )	211.4 2	100	0.0	(7/2 <sup>+</sup> )	M1	0.0447
303.45	(3/2 <sup>+</sup> )	91.3 3		211.53	(9/2 <sup>+</sup> )		
		303.6 2	100	0.0	(7/2 <sup>+</sup> )	E2	0.027
382.02	(5/2 <sup>+</sup> )	78.7 2	82 12	303.45	(3/2 <sup>+</sup> )	M1	0.686
		170.6 2	3.3 9	211.53	(9/2 <sup>+</sup> )		
		382.0 3	100 4	0.0	(7/2 <sup>+</sup> )	E2	
394.95	(3/2 <sup>+</sup> )	91.3 3	44 6	303.45	(3/2 <sup>+</sup> )	M1,E2	
		395.0 3	100 13	0.0	(7/2 <sup>+</sup> )		
417.3		205.8 4	100	211.53	(9/2 <sup>+</sup> )		
440.42	(1/2 <sup>+</sup> )	136.9 3	100	303.45	(3/2 <sup>+</sup> )	M1	0.145
490.74	(11/2 <sup>+</sup> )	279.2 3	100 22	211.53	(9/2 <sup>+</sup> )		
		490.7 4	50 9	0.0	(7/2 <sup>+</sup> )		
492.73	(1/2 <sup>-</sup> )	189.1 3	100	303.45	(3/2 <sup>+</sup> )		
567.48	(7/2 <sup>+</sup> )	172.6 5	100 30	394.95	(3/2 <sup>+</sup> )		
		185.5 2	56 11	382.02	(5/2 <sup>+</sup> )		
		355.7 4	94 22	211.53	(9/2 <sup>+</sup> )		
		567.5 4	100 17	0.0	(7/2 <sup>+</sup> )		
586.3		191.3 2	100	394.95	(3/2 <sup>+</sup> )		
608.3	(11/2 <sup>+</sup> )	396.8 3	100	211.53	(9/2 <sup>+</sup> )		
632.37	(7/2 <sup>+</sup> )	250.5 2	100 5	382.02	(5/2 <sup>+</sup> )	M1	
		328.7 4	5.4 13	303.45	(3/2 <sup>+</sup> )		
		420.9 2	70 6	211.53	(9/2 <sup>+</sup> )		
		632.4 3	20 4	0.0	(7/2 <sup>+</sup> )		
661.2		449.7 4	100	211.53	(9/2 <sup>+</sup> )		
663.14	(5/2 <sup>+</sup> )	222.9 4	88 9	440.42	(1/2 <sup>+</sup> )		
		268.1 3	100 14	394.95	(3/2 <sup>+</sup> )		
		280.9 4	24 5	382.02	(5/2 <sup>+</sup> )		
681.3	(3/2 <sup>-</sup> )	188.8 4	100	492.73	(1/2 <sup>-</sup> )		
684.8		381.4 5	100	303.45	(3/2 <sup>+</sup> )		
715.4	(13/2 <sup>+</sup> )	224.4 5	100 21	490.74	(11/2 <sup>+</sup> )		
		503.9 4	83 17	211.53	(9/2 <sup>+</sup> )		
732.7	(5/2 <sup>-</sup> )	240.0 3	100 17	492.73	(1/2 <sup>-</sup> )		
		350.7 4	50 12	382.02	(5/2 <sup>+</sup> )		
860.3	(3/2 <sup>-</sup> )	179.1 4	20 5	681.3	(3/2 <sup>-</sup> )		
		367.3 3	100 20	492.73	(1/2 <sup>-</sup> )		
922.5	(11/2 <sup>+</sup> )	355 1	100	567.48	(7/2 <sup>+</sup> )		
936.0		554.0 5	100	382.02	(5/2 <sup>+</sup> )		
960.4	(3/2,5/2)	519.5 5	19	440.42	(1/2 <sup>+</sup> )		
		565.8 5	100 30	394.95	(3/2 <sup>+</sup> )		
		961.4 11	29 14	0.0	(7/2 <sup>+</sup> )		
976.8	(5/2 <sup>-</sup> )	244.4 5	100 23	732.7	(5/2 <sup>-</sup> )		
		295.4 3	54 15	681.3	(3/2 <sup>-</sup> )		
		483.9 5	54 15	492.73	(1/2 <sup>-</sup> )		
1018.02	(3/2)	157.5 3	33 5	860.3	(3/2 <sup>-</sup> )		
		525.5 4	22 8	492.73	(1/2 <sup>-</sup> )		
		577.4 5	5 3	440.42	(1/2 <sup>+</sup> )		
		714.8 3	100 18	303.45	(3/2 <sup>+</sup> )		
1019.0	(13/2 <sup>+</sup> )	410.6 3	100	608.3	(11/2 <sup>+</sup> )		
1038.9	(5/2,7/2)	827.4 3	100 14	211.53	(9/2 <sup>+</sup> )		
		1038.9 4	29 5	0.0	(7/2 <sup>+</sup> )		
1044.93	(9/2 <sup>+</sup> )	381.79 10	0.5	663.14	(5/2 <sup>+</sup> )		
1055.01		672.8 4	12.3 23	382.02	(5/2 <sup>+</sup> )		
		843.7 3	100 8	211.53	(9/2 <sup>+</sup> )		
		1054.8 4	37 5	0.0	(7/2 <sup>+</sup> )		
1096.40	(3/2,5/2)	603.66 3	100	492.73	(1/2 <sup>-</sup> )		

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Adopted Levels, Gammas (continued)

$\gamma(^{111}\text{Rh})$ (continued)					
$E_i(\text{level})$	$J_i^\pi$	$E_\gamma^\dagger$	$I_\gamma$	$E_f$	$J_f^\pi$
1157.8	(15/2 <sup>+</sup> )	442.2 3	100 21	715.4	(13/2 <sup>+</sup> )
		667.1 <sup>a</sup> 4	50 <sup>a</sup> 13	490.74	(11/2 <sup>+</sup> )
1159.5	(3/2,5/2,7/2)	777.5 4	100	382.02	(5/2 <sup>+</sup> )
1168.3	(9/2 <sup>-</sup> )	435.6 4	100	732.7	(5/2 <sup>-</sup> )
1348.82	(3/2,5/2,7/2)	717.6 5	46 11	632.37	(7/2 <sup>+</sup> )
		967.2 4	100 19	382.02	(5/2 <sup>+</sup> )
		1046.1 12	43 22	303.45	(3/2 <sup>+</sup> )
		1348.5 2	54 11	0.0	(7/2 <sup>+</sup> )
1373.3	(15/2 <sup>+</sup> )	354.2 3	100 23	1019.0	(13/2 <sup>+</sup> )
		658.0 4	54 15	715.4	(13/2 <sup>+</sup> )
		765.2 4	62 15	608.3	(11/2 <sup>+</sup> )
1382.4	(17/2 <sup>+</sup> )	224.4 <sup>&amp;</sup> 5	59 <sup>&amp;</sup> 14	1157.8	(15/2 <sup>+</sup> )
		667.1 <sup>a</sup> 4	100 <sup>a</sup> 14	715.4	(13/2 <sup>+</sup> )
1444.4	(15/2 <sup>+</sup> )	521.9 4	100	922.5	(11/2 <sup>+</sup> )
1548.1	(17/2 <sup>+</sup> )	529.0 4	100	1019.0	(13/2 <sup>+</sup> )
1759.3	(13/2 <sup>-</sup> )	591 1	100	1168.3	(9/2 <sup>-</sup> )
1780.2		1398.2 7	100	382.02	(5/2 <sup>+</sup> )
1898.05	(5/2,7/2)	1265.7 2	100 13	632.37	(7/2 <sup>+</sup> )
		1515.9 5	100 13	382.02	(5/2 <sup>+</sup> )
		1594.7 5	13 3	303.45	(3/2 <sup>+</sup> )
		1686.3 5	16 3	211.53	(9/2 <sup>+</sup> )
		1898.1 5	13 3	0.0	(7/2 <sup>+</sup> )
1931.8	(19/2 <sup>+</sup> )	549.7 5	54 23	1382.4	(17/2 <sup>+</sup> )
		774 <sup>&amp;</sup> 1	100 <sup>&amp;</sup> 23	1157.8	(15/2 <sup>+</sup> )
1949.9	(19/2 <sup>+</sup> )	401.8 3	69 15	1548.1	(17/2 <sup>+</sup> )
		576.8 4	100 23	1373.3	(15/2 <sup>+</sup> )
		792.1 4	38 15	1157.8	(15/2 <sup>+</sup> )
2033.94	(5/2,7/2)	1401.3 4	29 4	632.37	(7/2 <sup>+</sup> )
		1652.1 4	18 3	382.02	(5/2 <sup>+</sup> )
		1730.3 4	13.4 21	303.45	(3/2 <sup>+</sup> )
		1822.3 4	29 4	211.53	(9/2 <sup>+</sup> )
		2034.1 3	100 13	0.0	(7/2 <sup>+</sup> )
2111.7	(19/2,21/2)	161.79 10	100	1949.9	(19/2 <sup>+</sup> )
		729.32 10	10.6	1382.4	(17/2 <sup>+</sup> )
2112.4	(19/2 <sup>+</sup> )	668 1	100	1444.4	(15/2 <sup>+</sup> )
2126.74	(3/2 <sup>+</sup> )	1030.1 3	31 6	1096.40	(3/2,5/2)
		1108.8 3	100 14	1018.02	(3/2)
		1445.6 5	9 4	681.3	(3/2 <sup>-</sup> )
		1463.6 3	89 13	663.14	(5/2 <sup>+</sup> )
		1634.4 7	17 7	492.73	(1/2 <sup>-</sup> )
		1686.5 5	22 6	440.42	(1/2 <sup>+</sup> )
		1731.5 5	67 16	394.95	(3/2 <sup>+</sup> )
2155.7	(21/2 <sup>+</sup> )	223.73 10		1931.8	(19/2 <sup>+</sup> )
		773.26 10	100	1382.4	(17/2 <sup>+</sup> )
2214.77	(3/2 <sup>+</sup> ,5/2 <sup>+</sup> ,7/2 <sup>+</sup> )	1551.4 4	74 16	663.14	(5/2 <sup>+</sup> )
		1819.3 6	67 21	394.95	(3/2 <sup>+</sup> )
		1910.8 5	100 21	303.45	(3/2 <sup>+</sup> )
		2215.5 4	58 14	0.0	(7/2 <sup>+</sup> )
2354.4	(21/2,23/2)	242.65 10	100	2111.7	(19/2,21/2)
2603.2	(23/2 <sup>+</sup> )	653.29 10	100	1949.9	(19/2 <sup>+</sup> )
2649.8	(23/2,25/2)	295.44 10	100	2354.4	(21/2,23/2)
		538.14 10	25	2111.7	(19/2,21/2)
2732.1	(23/2 <sup>+</sup> )	576.32 10	100	2155.7	(21/2 <sup>+</sup> )
		800.4 1	50	1931.8	(19/2 <sup>+</sup> )
2893.4	(25/2 <sup>+</sup> )	161.24 10	22.7	2732.1	(23/2 <sup>+</sup> )

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**Adopted Levels, Gammas (continued)** $\gamma(^{111}\text{Rh})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma^\dagger$	$I_\gamma$	$E_f$	$J_f^\pi$
2893.4	(25/2 <sup>+</sup> )	737.79 <i>10</i>	100	2155.7	(21/2 <sup>+</sup> )
2903.7	(23/2 <sup>+</sup> )	791.34 <i>10</i>	100	2112.4	(19/2 <sup>+</sup> )
2963.5	(25/2,27/2)	313.58 <i>10</i>	100	2649.8	(23/2,25/2)
		609.06 <i>10</i>	28	2354.4	(21/2,23/2)
3271.3	(27/2 <sup>+</sup> )	377.82 <i>10</i>	100	2893.4	(25/2 <sup>+</sup> )
		539.22 <sup><i>b</i></sup> <i>10</i>		2732.1	(23/2 <sup>+</sup> )
3324.4	(27/2,29/2)	361.03 <i>10</i>	100 <sup>#</sup>	2963.5	(25/2,27/2)
		674.66 <i>10</i>	42	2649.8	(23/2,25/2)
3522.8	(29/2 <sup>+</sup> )	251.58 <i>10</i>	100	3271.3	(27/2 <sup>+</sup> )
		629.34 <i>10</i>	95	2893.4	(25/2 <sup>+</sup> )
3741.6	(29/2,31/2)	417.22 <sup><i>b</i></sup> <i>10</i>		3324.4	(27/2,29/2)
		778.0 <sup><i>b</i></sup> <i>1</i>		2963.5	(25/2,27/2)
3932.3	(31/2 <sup>+</sup> )	409.54 <i>10</i>		3522.8	(29/2 <sup>+</sup> )
		661.01 <i>10</i>	100	3271.3	(27/2 <sup>+</sup> )
4248.2	(33/2 <sup>+</sup> )	316.02 <i>10</i>		3932.3	(31/2 <sup>+</sup> )
		725.35 <i>10</i>	100	3522.8	(29/2 <sup>+</sup> )

<sup>†</sup> From  $^{101}\text{Ru}$   $\beta^-$  decay and  $^{252}\text{Cf}$  SF decay.

<sup>‡</sup> From  $^{101}\text{Ru}$   $\beta^-$  decay.

<sup>#</sup> From figure 5 of [2004Lu03](#).

<sup>@</sup> Total theoretical internal conversion coefficients, calculated using the BrIcc code ([2008Ki07](#)) with Frozen orbital approximation based on  $\gamma$ -ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

<sup>&</sup> Multiply placed with undivided intensity.

<sup>a</sup> Multiply placed with intensity suitably divided.

<sup>b</sup> Placement of transition in the level scheme is uncertain.

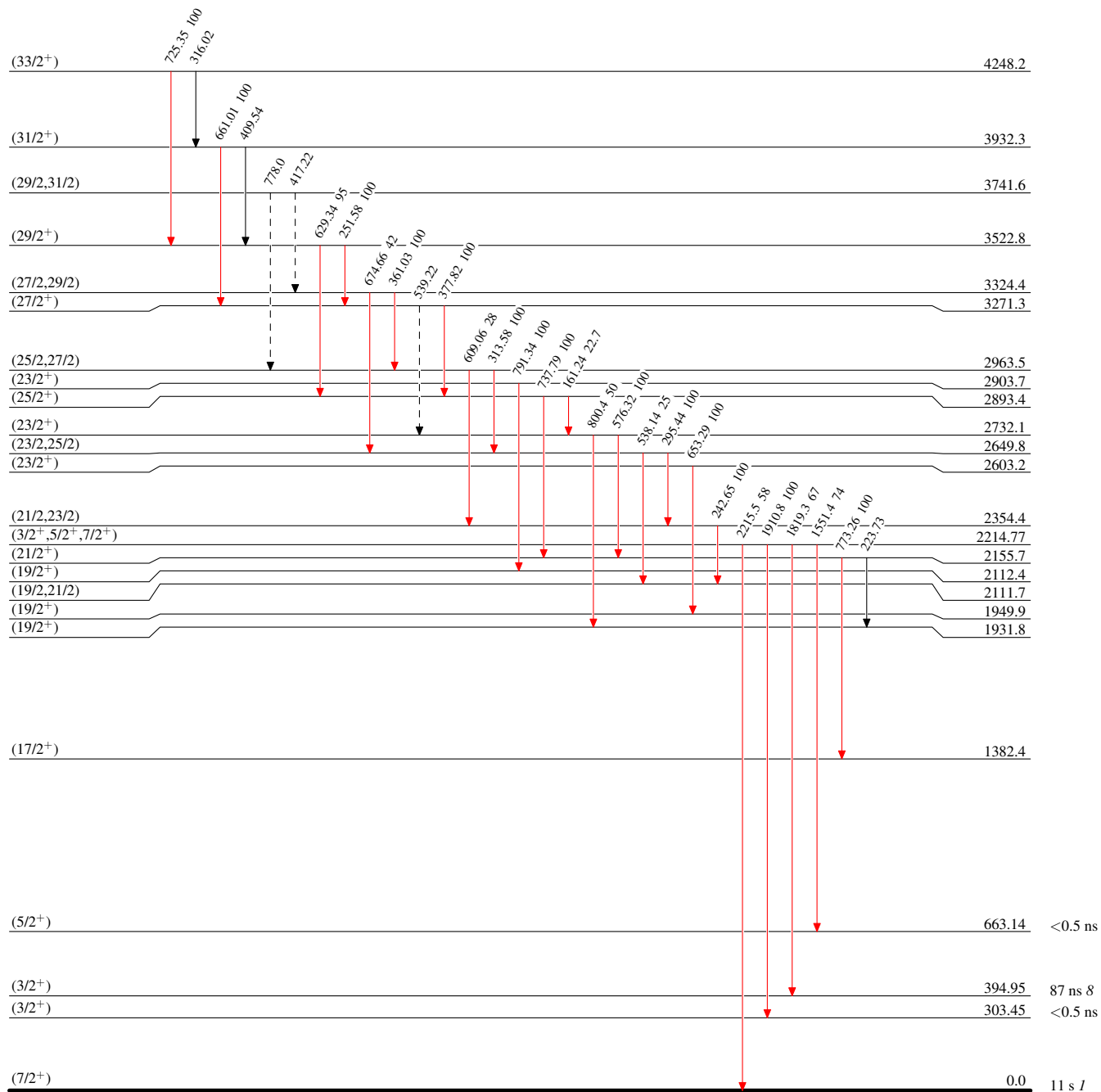
**Adopted Levels, Gammas**

**Legend**

**Level Scheme**

Intensities: Type not specified

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



$^{111}_{45}\text{Rh}_{66}$

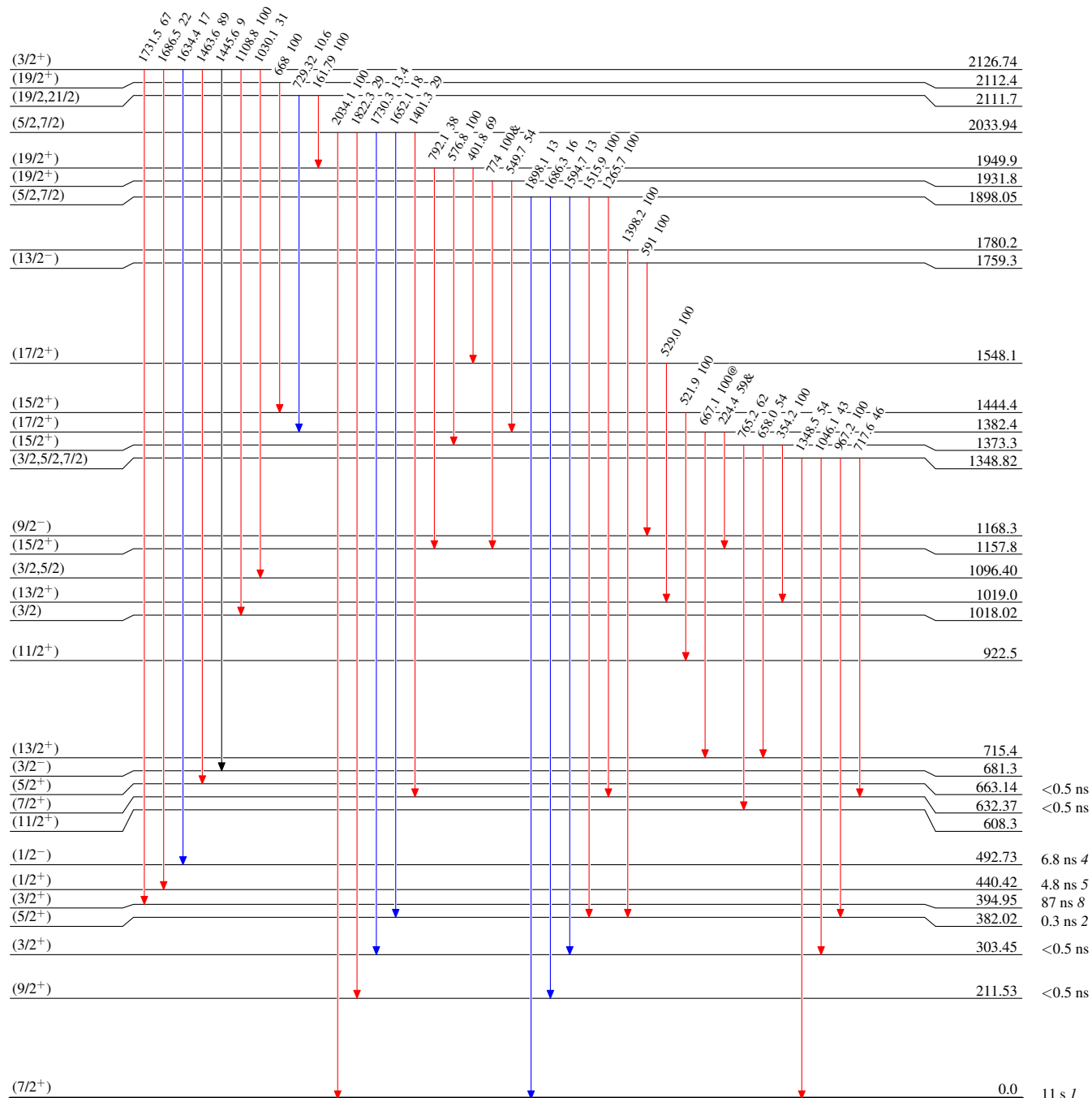
**Adopted Levels, Gammas**

**Level Scheme (continued)**

Intensities: Type not specified  
 & Multiply placed: undivided intensity given  
 @ Multiply placed: intensity suitably divided

**Legend**

- I<sub>γ</sub> < 2% × I<sub>γ</sub><sup>max</sup>
- I<sub>γ</sub> < 10% × I<sub>γ</sub><sup>max</sup>
- I<sub>γ</sub> > 10% × I<sub>γ</sub><sup>max</sup>



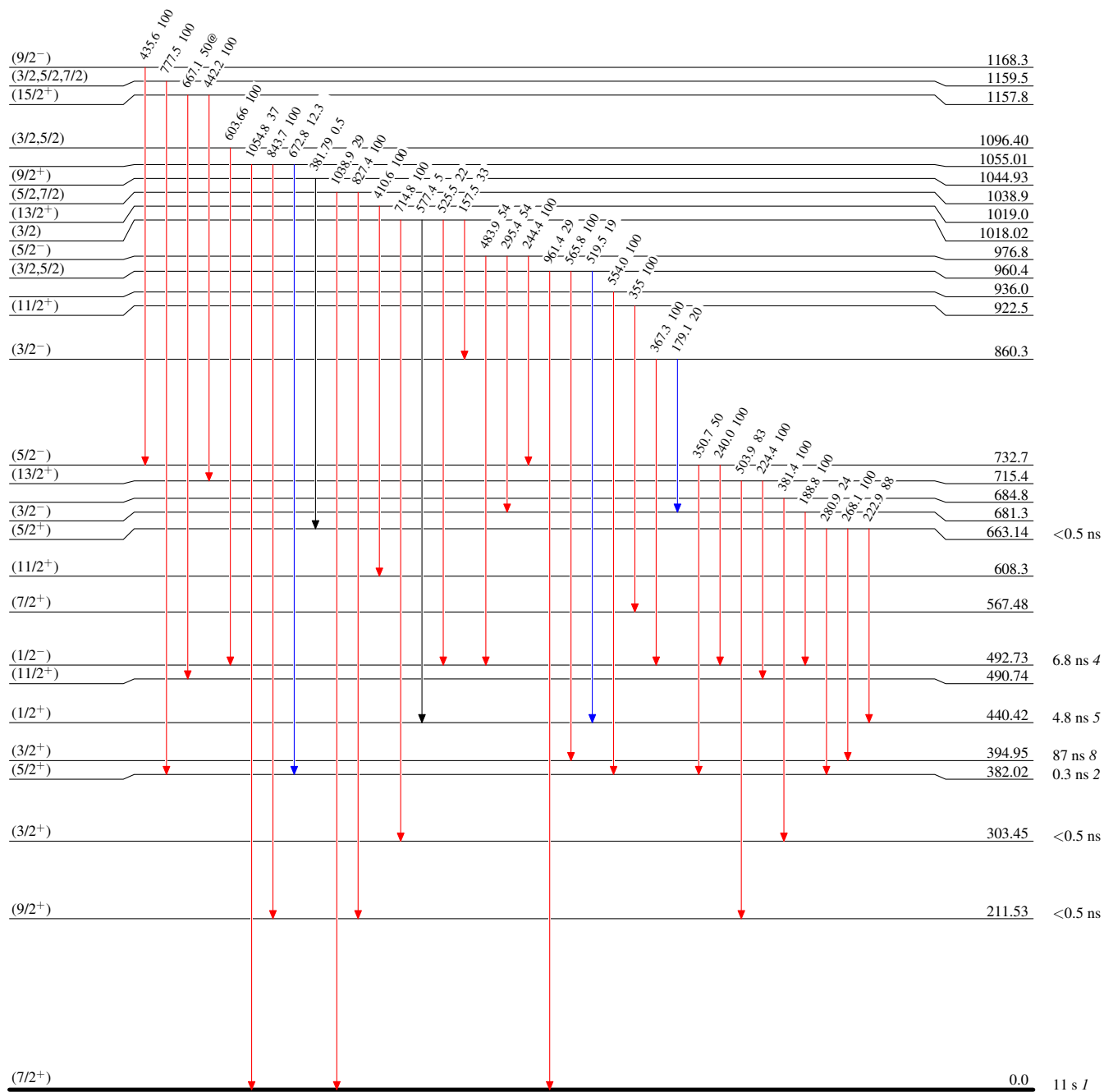
### Adopted Levels, Gammas

#### Level Scheme (continued)

Intensities: Type not specified  
 & Multiply placed: undivided intensity given  
 @ Multiply placed: intensity suitably divided

#### Legend

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



<sup>111</sup>Rh<sub>66</sub>



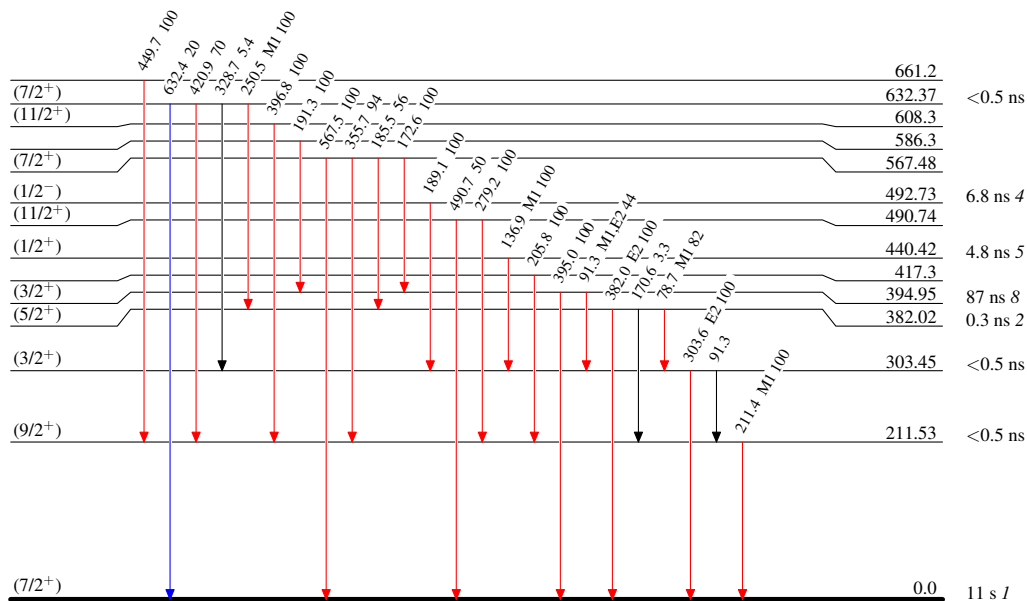
**Adopted Levels, Gammas**

**Level Scheme (continued)**

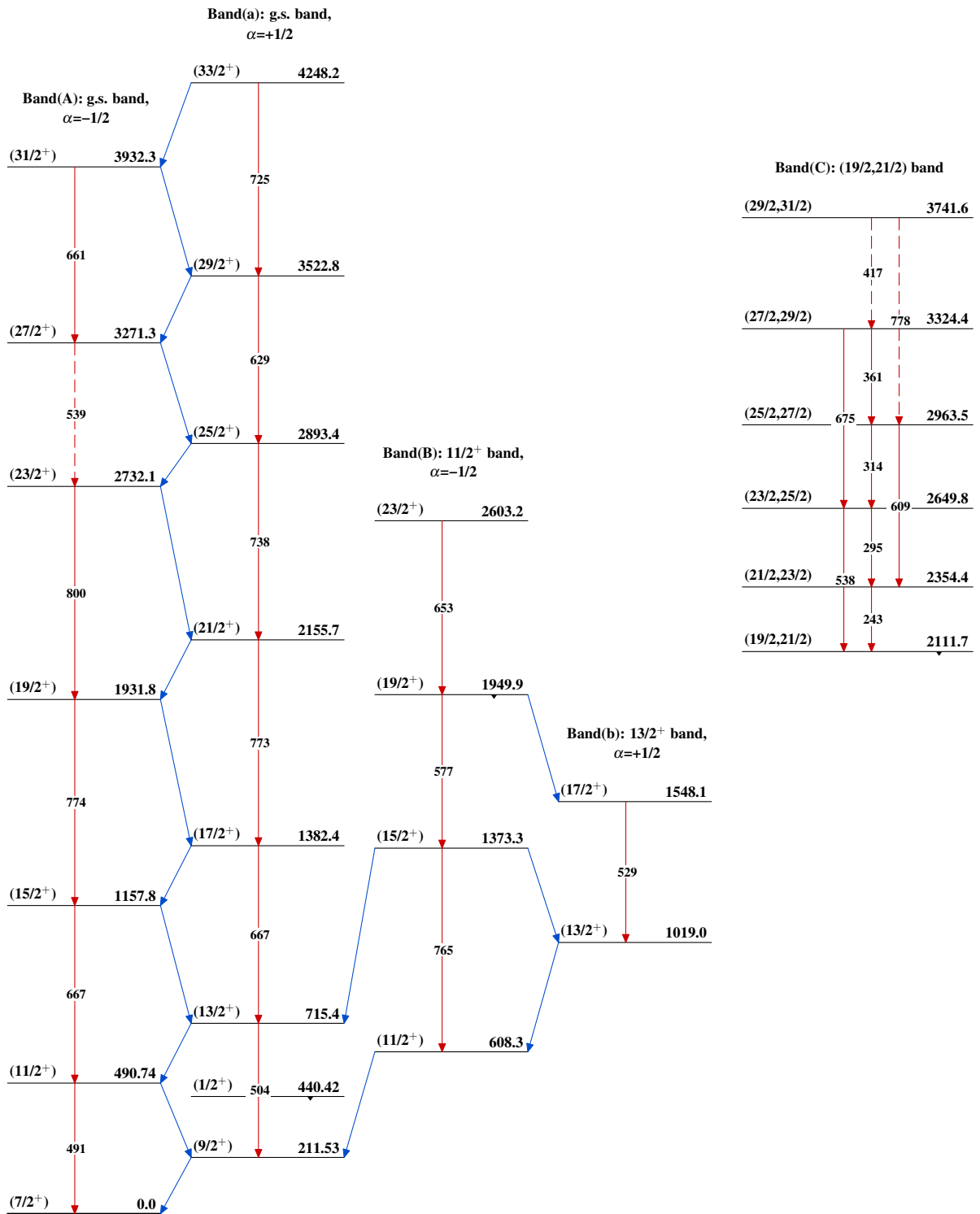
Intensities: Type not specified  
 & Multiply placed: undivided intensity given  
 @ Multiply placed: intensity suitably divided

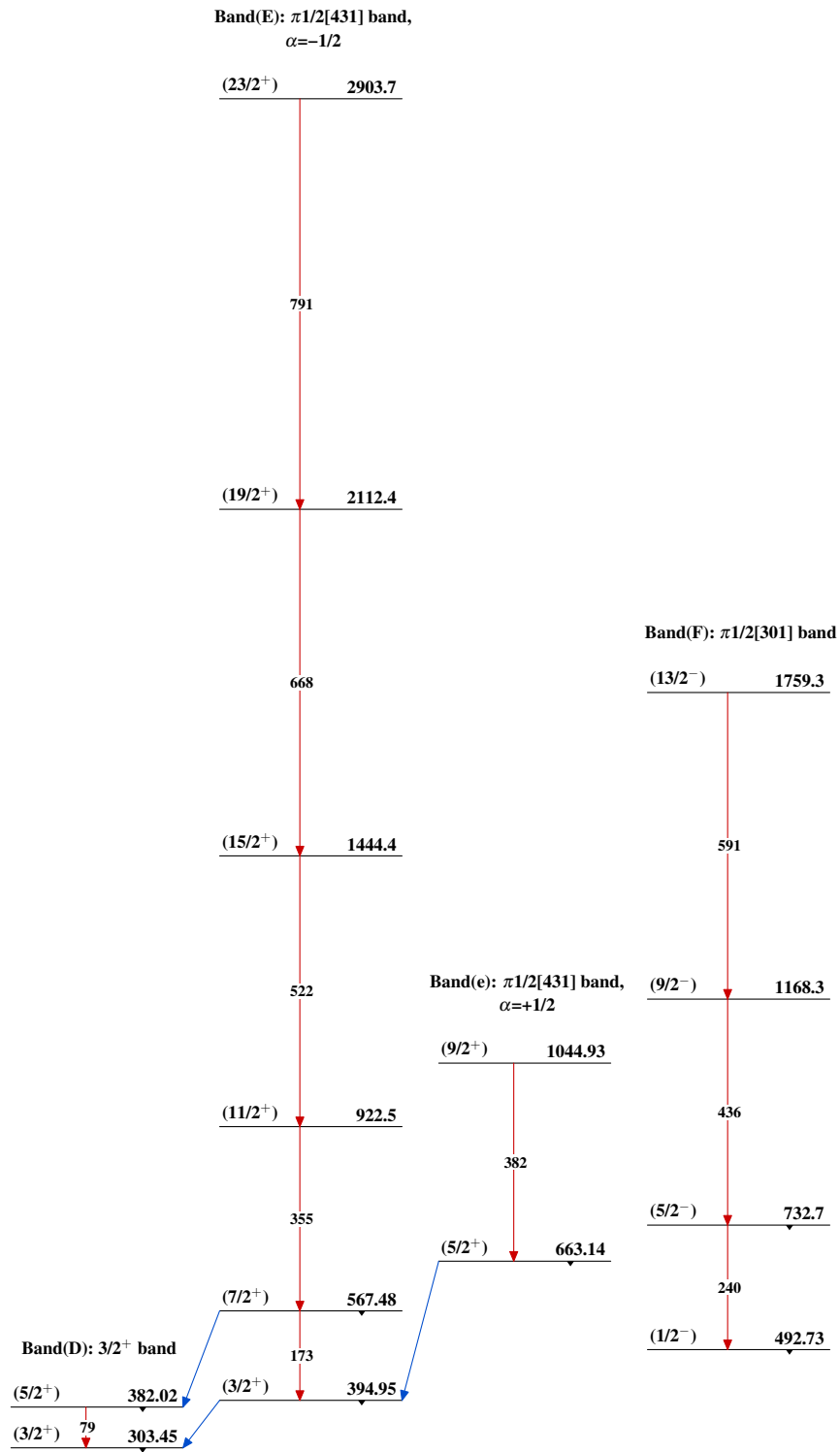
**Legend**

- I<sub>γ</sub> < 2% × I<sub>γ</sub><sup>max</sup>
- I<sub>γ</sub> < 10% × I<sub>γ</sub><sup>max</sup>
- I<sub>γ</sub> > 10% × I<sub>γ</sub><sup>max</sup>



<sup>111</sup>Rh<sub>66</sub>

Adopted Levels, Gammas $^{111}_{45}\text{Rh}_{66}$

**Adopted Levels, Gammas (continued)** $^{111}_{45}\text{Rh}_{66}$