

$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ **1999Mo17**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF		1-Mar-2009

E=85 MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, $\gamma\gamma(\theta)$ (DCO) using seven HPGe detectors with BGO anti-Compton shields.

The work of **1999Mo17** partly agrees with **1999Pa13** for the bands 1,2,3,4,5,6,8,10,12,14 with lower excitation energy. Bands 7,9,11,13 of **1999Pa13** are not given by **1999Mo17**. Bands 15,16,17 of **1999Mo17** are not present in **1999Pa13**.

 ^{117}I Levels

E(level) [†]	J ^π	E(level) [†]	J ^π	E(level) [†]	J ^π	E(level) [†]	J ^π
0.0	5/2 ⁺	2107.0 ^f 3	19/2 ⁻	3355.8 ^f 3	27/2 ⁻	5131.9 ^h 7	(31/2 ⁻)
58.40 ^d 13	7/2 ⁺	2245.9 ^d 3	19/2 ⁺	3376.1 ^c 3	25/2 ⁺	5495.9 5	37/2 ⁺
352.80 [@] 21	9/2 ⁺	2261.6 ^{&} 4	(17/2)	3425.2 ^a 3	25/2 ⁺	5601.6 ^g 7	(37/2 ⁻)
519.0 ⁱ 3	7/2 ⁺	2301.0 ^h 4	(15/2 ⁻)	3482.3 ^h 4	(23/2 ⁻)	5627.8 ^e 5	39/2 ⁻
573.30 ^c 15	9/2 ⁺	2312.4 [#] 4	19/2 ⁻	3651.1 ^d 4	27/2 ⁺	5668.5 ^f 4	39/2 ⁻
652.7 [@] 3	11/2 ⁺	2480.9 ^g 4	(21/2 ⁻)	3660.5 ^e 4	31/2 ⁻	5926.8 ^b 5	39/2 ⁺
661.59 15	9/2 ⁺	2484.9 [@] 4	21/2 ⁺	3665.2 [#] 6	27/2 ⁻	5989.4 ^d 8	39/2 ⁺
677.49 ^e 17	11/2 ⁻	2495.2 ^{&} 5		3686.1 ^a 3	27/2 ⁺	6024.4 6	39/2 ⁺
695.1 3	9/2 ⁺	2510.7 [‡] 5	(19/2)	3749.3 [@] 5	27/2 ⁺	6275.9 ^f 4	43/2 ⁻
716.10 ^d 23	11/2 ⁺	2586.5 [#] 5	21/2 ⁻	3824.2 ^g 5	(29/2 ⁻)	6637.2 ^e 5	43/2 ⁻
970.1 [@] 3	13/2 ⁺	2625.6 ⁱ 8	19/2 ⁺	3831.4 4	27/2 ⁺	6919.9 ^b 6	43/2 ⁺
1014.59 ^e 22	15/2 ⁻	2642.6 ^f 3	23/2 ⁻	3971.3 ^a 3	29/2 ⁺	6967.8 ^d 9	43/2 ⁺
1117.4 ⁱ 5	11/2 ⁺	2702.5 ^c 3	21/2 ⁺	4055.8 ^f 4	31/2 ⁻	7070.1 6	43/2 ⁺
1174.48 ^f 23	11/2 ⁻	2751.6 ^{&} 5		4081.7 [#] 6	29/2 ⁻	7350.9 ^f 5	47/2 ⁻
1208.03 ^c 23	13/2 ⁺	2819.4 ^e 3	27/2 ⁻	4136.0 [@] 5	29/2 ⁺	7682.9 ^e 7	47/2 ⁻
1315.4 [@] 3	15/2 ⁺	2821.8 ^h 4	(19/2 ⁻)	4254.0 ^h 6	(27/2 ⁻)	7959.3 ^b 6	47/2 ⁺
1341.2 [‡] 4	(13/2 ⁺)	2882.2 4	21/2	4288.4 ^a 4	31/2 ⁺	8365.7 ^f 6	51/2 ⁻
1450.2 ^d 3	15/2 ⁺	2910.1 [@] 4	23/2 ⁺	4333.1 ^d 6	31/2 ⁺	8748.7 ^b 8	51/2 ⁺
1484.74 ^e 25	19/2 ⁻	2910.7 [#] 5	23/2 ⁻	4348.1 5		8808.5 ^e 8	51/2 ⁻
1621.97 ^f 25	15/2 ⁻	2925.3 [‡] 5	(21/2)	4519.4 [#] 6	31/2 ⁻	9189.9 ^b 9	55/2 ⁺
1683.0 [@] 3	17/2 ⁺	2983.6 ^a 4	21/2 ⁺	4523.0 [@] 6	31/2 ⁺	10041.8 ^e 9	55/2 ⁻
1720.5 [‡] 4	(15/2 ⁺)	3061.8 ^d 4	23/2 ⁺	4602.2 ^e 4	35/2 ⁻	10138.6 10	
1815.0 ⁱ 7	15/2 ⁺	3095.7 ^g 4	(25/2 ⁻)	4661.9 ^g 6	(33/2 ⁻)	10275.5 ^b 10	59/2 ⁺
1933.6 ^c 3	17/2 ⁺	3184.9 ^a 4	23/2 ⁺	4685.1 5	33/2 ⁺	11191.0 ^b 10	61/2 ⁺
2060.1 ^{&} 4	(15/2)	3273.0 [#] 6	25/2 ⁻	4815.0 ^f 4	35/2 ⁻	11249.1 ^e 10	59/2 ⁻
2074.7 [@] 3	19/2 ⁺	3326.4 ⁱ 9	23/2 ⁺	4977.5 [#] 7	33/2 ⁻		
2087.5 ^e 3	23/2 ⁻	3337.9 [@] 5	25/2 ⁺	5065.6 ^b 4	35/2 ⁺		
2105.9 [‡] 4	(17/2 ⁺)	3342.0 [‡] 6	(23/2)	5109.7 ^d 7	35/2 ⁺		

[†] From least-squares fit to $E\gamma$'s.

[‡] Band(A): #1 $\Delta J=1$ band based on 1341, (13/2⁺).

Band(B): #2 strongly-coupled band based on 2312, 19/2⁻, $\alpha=+/-1/2$.

@ Band(C): #3 strongly-coupled band based on 352, 9/2⁺, $\alpha=+/-1/2$.

& Band(D): #4 $\Delta J=1$ band based on 2060, (15/2).

^a Band(E): #5 band based on 2983, 21/2⁺.

^b Band(F): #6 band based on 5065, 35/2⁺. Complicated pattern of single- and collective levels.

^c Band(G): #8 band based on 573, 7/2⁺, $\alpha=+1/2$. Configuration= $\pi g_{7/2}$ coupled to deformed Xe core states.

^d Band(H): #10 band based on 58.4, 7/2⁺.

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$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ **1999Mo17 (continued)** ^{117}I Levels (continued)

^e Band(I): #12 band based on 677, 11/2⁻. Configuration: up to J=31/2: $\pi h_{11/2}$ coupled to even Xe core states. For J>31/2, three particle states due to the alignment of $\nu h_{11/2}^2$.

^f Band(J): #14 band based on 1174, 11/2⁻. Configuration: coupling of $\pi h_{11/2}$ to ground-state band of even Te nuclei.

^g Band(K): #15 band based on 2480, (21/2⁻). Configuration: $\pi 1/2[550]$, $\alpha=+1/2$.

^h Band(L): #16 band based on 2301, (15/2⁻). Probably due to the coupling of $\pi h_{11/2}$ to γ bands in even Xe nuclei.

ⁱ Band(M): #17 band based on 519, 7/2⁺.

 $\gamma(^{117}\text{I})$

E_γ [†]	I_γ [‡]	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ [†]	I_γ [‡]	$E_i(\text{level})$	J_i^π	E_f	J_f^π
15.9		677.49	11/2 ⁻	661.59	9/2 ⁺	441.2 4	3	9189.9	55/2 ⁺	8748.7	51/2 ⁺
58.4 2	15	58.40	7/2 ⁺	0.0	5/2 ⁺	441.6 4		3425.2	25/2 ⁺	2983.6	21/2 ⁺
104.2 2	11	677.49	11/2 ⁻	573.30	9/2 ⁺	447.5 2	9	1621.97	15/2 ⁻	1174.48	11/2 ⁻
142.5 4	2	661.59	9/2 ⁺	519.0	7/2 ⁺	457.0 4	3	4288.4	31/2 ⁺	3831.4	27/2 ⁺
191.1 4	<1	3376.1	25/2 ⁺	3184.9	23/2 ⁺	458.1 4	1	4977.5	33/2 ⁻	4519.4	31/2 ⁻
201.3 4	3	3184.9	23/2 ⁺	2983.6	21/2 ⁺	470.1 2	88	1484.74	19/2 ⁻	1014.59	15/2 ⁻
201.6 4	1	2261.6	(17/2)	2060.1	(15/2)	479.4 2	6	1174.48	11/2 ⁻	695.1	9/2 ⁺
206.5 4		2312.4	19/2 ⁻	2105.9	(17/2 ⁺)	485.0 2	10	2107.0	19/2 ⁻	1621.97	15/2 ⁻
233.7 4	<1	2495.2		2261.6	(17/2)	490.1 4	1	2751.6		2261.6	(17/2)
240.3 4	<1	3425.2	25/2 ⁺	3184.9	23/2 ⁺	494.0 4	1	3376.1	25/2 ⁺	2882.2	21/2
256.4 4	2	2751.6		2495.2		497.0 4		1174.48	11/2 ⁻	677.49	11/2 ⁻
260.8 4	2	3686.1	27/2 ⁺	3425.2	25/2 ⁺	501.5 4	2	3686.1	27/2 ⁺	3184.9	23/2 ⁺
274.1 2	11	2586.5	21/2 ⁻	2312.4	19/2 ⁻	512.9 4	4	1174.48	11/2 ⁻	661.59	9/2 ⁺
285.2 4	2	3971.3	29/2 ⁺	3686.1	27/2 ⁺	514.9 2	27	573.30	9/2 ⁺	58.40	7/2 ⁺
294.4 2	56	352.80	9/2 ⁺	58.40	7/2 ⁺	518.9 4	3	519.0	7/2 ⁺	0.0	5/2 ⁺
299.9 2	34	652.7	11/2 ⁺	352.80	9/2 ⁺	520.9 4	4	2821.8	(19/2 ⁻)	2301.0	(15/2 ⁻)
310.0 4	<1	3686.1	27/2 ⁺	3376.1	25/2 ⁺	535.7 2	14	2642.6	23/2 ⁻	2107.0	19/2 ⁻
317.1 4	1	4288.4	31/2 ⁺	3971.3	29/2 ⁺	546.0 4	<1	3971.3	29/2 ⁺	3425.2	25/2 ⁺
317.4 2	30	970.1	13/2 ⁺	652.7	11/2 ⁺	573.3 2	10	573.30	9/2 ⁺	0.0	5/2 ⁺
324.2 2	11	2910.7	23/2 ⁻	2586.5	21/2 ⁻	589.3 2	8	3651.1	27/2 ⁺	3061.8	23/2 ⁺
337.1 2	100	1014.59	15/2 ⁻	677.49	11/2 ⁻	595.2 4	3	3971.3	29/2 ⁺	3376.1	25/2 ⁺
345.3 2	21	1315.4	15/2 ⁺	970.1	13/2 ⁺	598.3 4	1	2910.7	23/2 ⁻	2312.4	19/2 ⁻
352.8 4		352.80	9/2 ⁺	0.0	5/2 ⁺	598.4 4	2	1117.4	11/2 ⁺	519.0	7/2 ⁺
362.4 4	5	3273.0	25/2 ⁻	2910.7	23/2 ⁻	602.3 4	2	4288.4	31/2 ⁺	3686.1	27/2 ⁺
367.5 2	14	1683.0	17/2 ⁺	1315.4	15/2 ⁺	602.5 2	62	2087.5	23/2 ⁻	1484.74	19/2 ⁻
376.8 4	2	4348.1		3971.3	29/2 ⁺	603.2 2	12	661.59	9/2 ⁺	58.40	7/2 ⁺
379.3 4	3	1720.5	(15/2 ⁺)	1341.2	(13/2 ⁺)	607.4 4	4	1621.97	15/2 ⁻	1014.59	15/2 ⁻
380.2 4	2	5065.6	35/2 ⁺	4685.1	33/2 ⁺	607.4 2	10	6275.9	43/2 ⁻	5668.5	39/2 ⁻
385.4 4	4	2105.9	(17/2 ⁺)	1720.5	(15/2 ⁺)	614.9 4	3	3095.7	(25/2 ⁻)	2480.9	(21/2 ⁻)
386.7 4	2	4136.0	29/2 ⁺	3749.3	27/2 ⁺	617.3 2	7	970.1	13/2 ⁺	352.80	9/2 ⁺
387.0 4	2	4523.0	31/2 ⁺	4136.0	29/2 ⁺	619.1 2	43	677.49	11/2 ⁻	58.40	7/2 ⁺
391.7 2	11	2074.7	19/2 ⁺	1683.0	17/2 ⁺	624.3 4	1	3686.1	27/2 ⁺	3061.8	23/2 ⁺
392.2 4	2	3665.2	27/2 ⁻	3273.0	25/2 ⁻	629.4 4		2312.4	19/2 ⁻	1683.0	17/2 ⁺
404.8 4	2	2510.7	(19/2)	2105.9	(17/2 ⁺)	634.7 2	13	1208.03	13/2 ⁺	573.30	9/2 ⁺
410.2 2	9	2484.9	21/2 ⁺	2074.7	19/2 ⁺	637.3 4	3	4288.4	31/2 ⁺	3651.1	27/2 ⁺
411.4 4	3	3749.3	27/2 ⁺	3337.9	25/2 ⁺	648.1 4	2	6275.9	43/2 ⁻	5627.8	39/2 ⁻
414.6 4	2	2925.3	(21/2)	2510.7	(19/2)	657.7 2	18	716.10	11/2 ⁺	58.40	7/2 ⁺
416.5 4	2	4081.7	29/2 ⁻	3665.2	27/2 ⁻	660.4 4	3	3482.3	(23/2 ⁻)	2821.8	(19/2 ⁻)
416.7 4	1	3342.0	(23/2)	2925.3	(21/2)	661.6 2	52	661.59	9/2 ⁺	0.0	5/2 ⁺
425.2 4	4	2910.1	23/2 ⁺	2484.9	21/2 ⁺	662.7 2	8	1315.4	15/2 ⁺	652.7	11/2 ⁺
427.8 4	4	3337.9	25/2 ⁺	2910.1	23/2 ⁺	673.7 4	3	3376.1	25/2 ⁺	2702.5	21/2 ⁺
430.5 4		5495.9	37/2 ⁺	5065.6	35/2 ⁺	682.0 4	4	4333.1	31/2 ⁺	3651.1	27/2 ⁺
431.4 4		5926.8	39/2 ⁺	5495.9	37/2 ⁺	686.4 4	1	3273.0	25/2 ⁻	2586.5	21/2 ⁻
435.0 4	<1	2495.2		2060.1	(15/2)	688.5 4	2	1341.2	(13/2 ⁺)	652.7	11/2 ⁺
437.7 4	2	4519.4	31/2 ⁻	4081.7	29/2 ⁻	695.1 4	5	695.1	9/2 ⁺	0.0	5/2 ⁺

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$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ **1999Mo17** (continued) $\gamma(^{117}\text{I})$ (continued)

$E_\gamma^\dagger$	$I_\gamma^\ddagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π
697.6 4	2	1815.0	15/2 ⁺	1117.4	11/2 ⁺	877.9 4	1	5131.9	(31/2 ⁻)	4254.0	(27/2 ⁻)
700.0 2	15	4055.8	31/2 ⁻	3355.8	27/2 ⁻	879.7 4	1	5989.4	39/2 ⁺	5109.7	35/2 ⁺
700.8 4	<1	3326.4	23/2 ⁺	2625.6	19/2 ⁺	889.1 4	1	7959.3	47/2 ⁺	7070.1	43/2 ⁺
712.9 2	9	1683.0	17/2 ⁺	970.1	13/2 ⁺	895.4 4	<1	6919.9	43/2 ⁺	6024.4	39/2 ⁺
713.2 2	17	3355.8	27/2 ⁻	2642.6	23/2 ⁻	895.8 4	1	4977.5	33/2 ⁻	4081.7	29/2 ⁻
713.8 4		4685.1	33/2 ⁺	3971.3	29/2 ⁺	915.5 4	<1	11191.0	61/2 ⁺	10275.5	59/2 ⁺
717.5 4		5065.6	35/2 ⁺	4348.1		939.7 4	1	5601.6	(37/2 ⁻)	4661.9	(33/2 ⁻)
722.6 4	3	3425.2	25/2 ⁺	2702.5	21/2 ⁺	941.7 2	18	4602.2	35/2 ⁻	3660.5	31/2 ⁻
725.6 2	10	1933.6	17/2 ⁺	1208.03	13/2 ⁺	946.2 4		2261.6	(17/2)	1315.4	15/2 ⁺
727.9 4	2	3824.2	(29/2 ⁻)	3095.7	(25/2 ⁻)	948.7 4	<1	10138.6		9189.9	55/2 ⁺
731.9 2	38	2819.4	27/2 ⁻	2087.5	23/2 ⁻	958.7 4	2	6024.4	39/2 ⁺	5065.6	35/2 ⁺
734.1 2	13	1450.2	15/2 ⁺	716.10	11/2 ⁺	968.7 4	<1	6637.2	43/2 ⁻	5668.5	39/2 ⁻
750.4 4	1	1720.5	(15/2 ⁺)	970.1	13/2 ⁺	978.4 4	1	6967.8	43/2 ⁺	5989.4	39/2 ⁺
754.6 4	1	3665.2	27/2 ⁻	2910.7	23/2 ⁻	988.4 4	1	1341.2	(13/2 ⁺)	352.80	9/2 ⁺
759.2 2	17	4815.0	35/2 ⁻	4055.8	31/2 ⁻	993.2 4	4	6919.9	43/2 ⁺	5926.8	39/2 ⁺
759.3 2	6	2074.7	19/2 ⁺	1315.4	15/2 ⁺	996.3 4	3	2480.9	(21/2 ⁻)	1484.74	19/2 ⁻
764.7 4	<1	2105.9	(17/2 ⁺)	1341.2	(13/2 ⁺)	1003.0 4	1	3824.2	(29/2 ⁻)	2821.8	(19/2 ⁻)
768.8 2	9	2702.5	21/2 ⁺	1933.6	17/2 ⁺	1007.4 4	3	3095.7	(25/2 ⁻)	2087.5	23/2 ⁻
769.6 2	6	3831.4	27/2 ⁺	3061.8	23/2 ⁺	1009.4 4	2	6637.2	43/2 ⁻	5627.8	39/2 ⁻
771.7 4	2	4254.0	(27/2 ⁻)	3482.3	(23/2 ⁻)	1014.8 4	3	8365.7	51/2 ⁻	7350.9	47/2 ⁻
773.7 4	1	4523.0	31/2 ⁺	3749.3	27/2 ⁺	1025.6 4	5	5627.8	39/2 ⁻	4602.2	35/2 ⁻
776.6 4	2	5109.7	35/2 ⁺	4333.1	31/2 ⁺	1039.4 4	3	7959.3	47/2 ⁺	6919.9	43/2 ⁺
777.2 4	5	5065.6	35/2 ⁺	4288.4	31/2 ⁺	1045.7 4	3	7070.1	43/2 ⁺	6024.4	39/2 ⁺
789.4 4	4	8748.7	51/2 ⁺	7959.3	47/2 ⁺	1045.7 4	3	7682.9	47/2 ⁻	6637.2	43/2 ⁻
790.5 4	3	2105.9	(17/2 ⁺)	1315.4	15/2 ⁺	1066.3 2	7	5668.5	39/2 ⁻	4602.2	35/2 ⁻
795.7 2	12	2245.9	19/2 ⁺	1450.2	15/2 ⁺	1075.0 2	7	7350.9	47/2 ⁻	6275.9	43/2 ⁻
798.1 4	2	4136.0	29/2 ⁺	3337.9	25/2 ⁺	1085.6 4	2	10275.5	59/2 ⁺	9189.9	55/2 ⁺
801.9 4		2484.9	21/2 ⁺	1683.0	17/2 ⁺	1089.9 4		2060.1	(15/2)	970.1	13/2 ⁺
808.7 4	1	4081.7	29/2 ⁻	3273.0	25/2 ⁻	1092.4 4	4	2107.0	19/2 ⁻	1014.59	15/2 ⁻
810.6 4	1	2625.6	19/2 ⁺	1815.0	15/2 ⁺	1125.6 4	2	8808.5	51/2 ⁻	7682.9	47/2 ⁻
811.0 4	4	5495.9	37/2 ⁺	4685.1	33/2 ⁺	1151.8 4	2	3971.3	29/2 ⁺	2819.4	27/2 ⁻
815.9 2	10	3061.8	23/2 ⁺	2245.9	19/2 ⁺	1158.0 4	5	2642.6	23/2 ⁻	1484.74	19/2 ⁻
819.4 4	<1	2925.3	(21/2)	2105.9	(17/2 ⁺)	1207.3 4	2	11249.1	59/2 ⁻	10041.8	55/2 ⁻
831.3 4	1	3342.0	(23/2)	2510.7	(19/2)	1233.3 4	2	10041.8	55/2 ⁻	8808.5	51/2 ⁻
835.4 4	4	2910.1	23/2 ⁺	2074.7	19/2 ⁺	1268.0 4	1	3355.8	27/2 ⁻	2087.5	23/2 ⁻
837.7 4	2	4661.9	(33/2 ⁻)	3824.2	(29/2 ⁻)	1286.6 4	1	2301.0	(15/2 ⁻)	1014.59	15/2 ⁻
839.2 4	2	3749.3	27/2 ⁺	2910.1	23/2 ⁺	1288.5 4	2	3376.1	25/2 ⁺	2087.5	23/2 ⁻
841.1 2	26	3660.5	31/2 ⁻	2819.4	27/2 ⁻	1337.4 4	1	2821.8	(19/2 ⁻)	1484.74	19/2 ⁻
853.0 4	3	3337.9	25/2 ⁺	2484.9	21/2 ⁺	1337.7 4	1	3425.2	25/2 ⁺	2087.5	23/2 ⁻
853.5 2	8	5668.5	39/2 ⁻	4815.0	35/2 ⁻	1394.9 4	<1	3482.3	(23/2 ⁻)	2087.5	23/2 ⁻
854.2 4	1	4519.4	31/2 ⁻	3665.2	27/2 ⁻	1397.6 4	1	2882.2	21/2	1484.74	19/2 ⁻
860.9 4	4	5926.8	39/2 ⁺	5065.6	35/2 ⁺	1499.0 4	1	2983.6	21/2 ⁺	1484.74	19/2 ⁻

[†] $\Delta(E_\gamma)=0.2$ for $I_\gamma>5$, 0.4 for $I_\gamma<5$ as specified by **1999Mo17**.[‡] $\Delta(I_\gamma)=5\%$ for $I_\gamma>10$, 25% for $I_\gamma<10$ (**1999Mo17**).

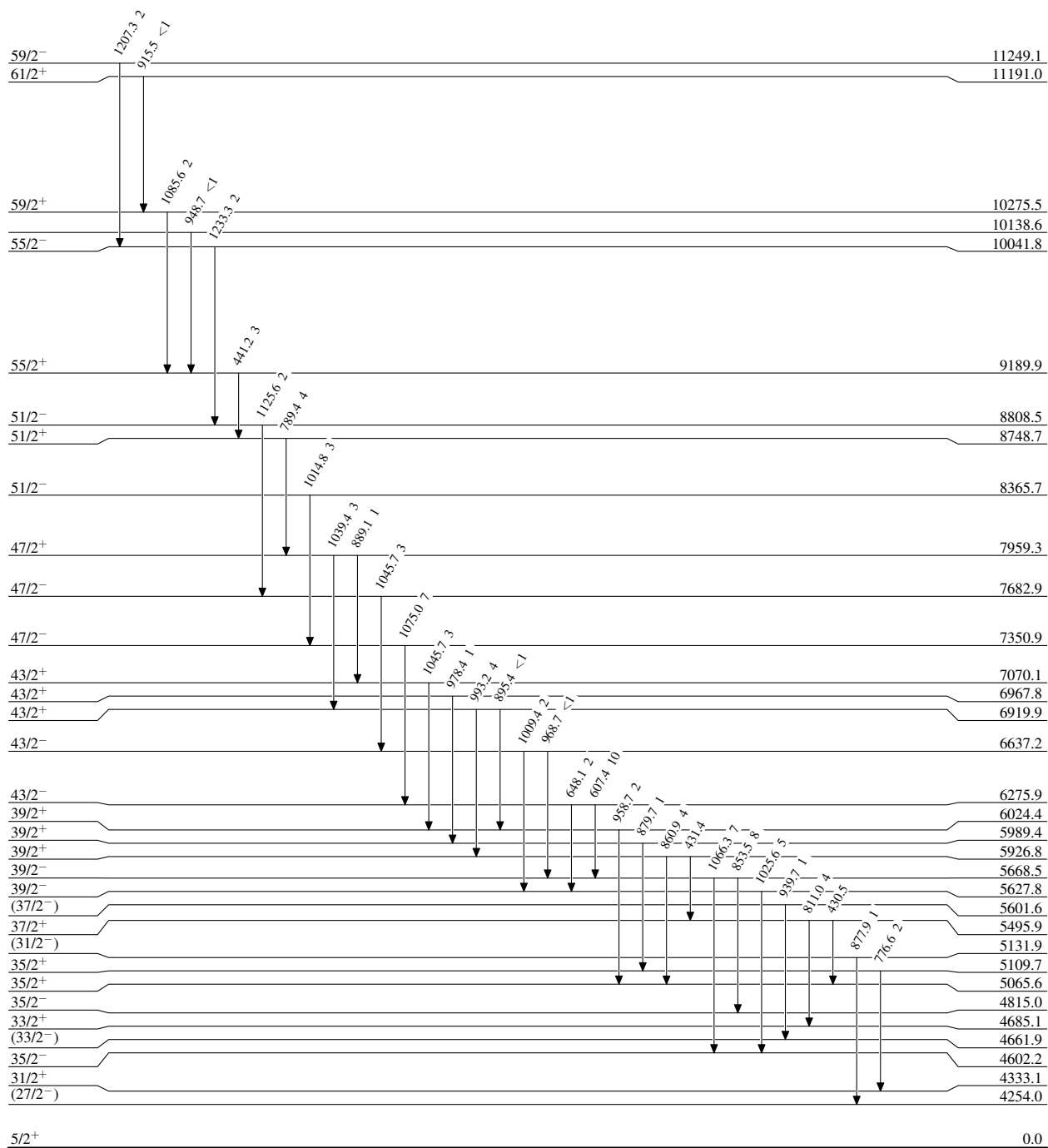
$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ 1999Mo17

Level Scheme

Intensities: Relative I_γ

Legend

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



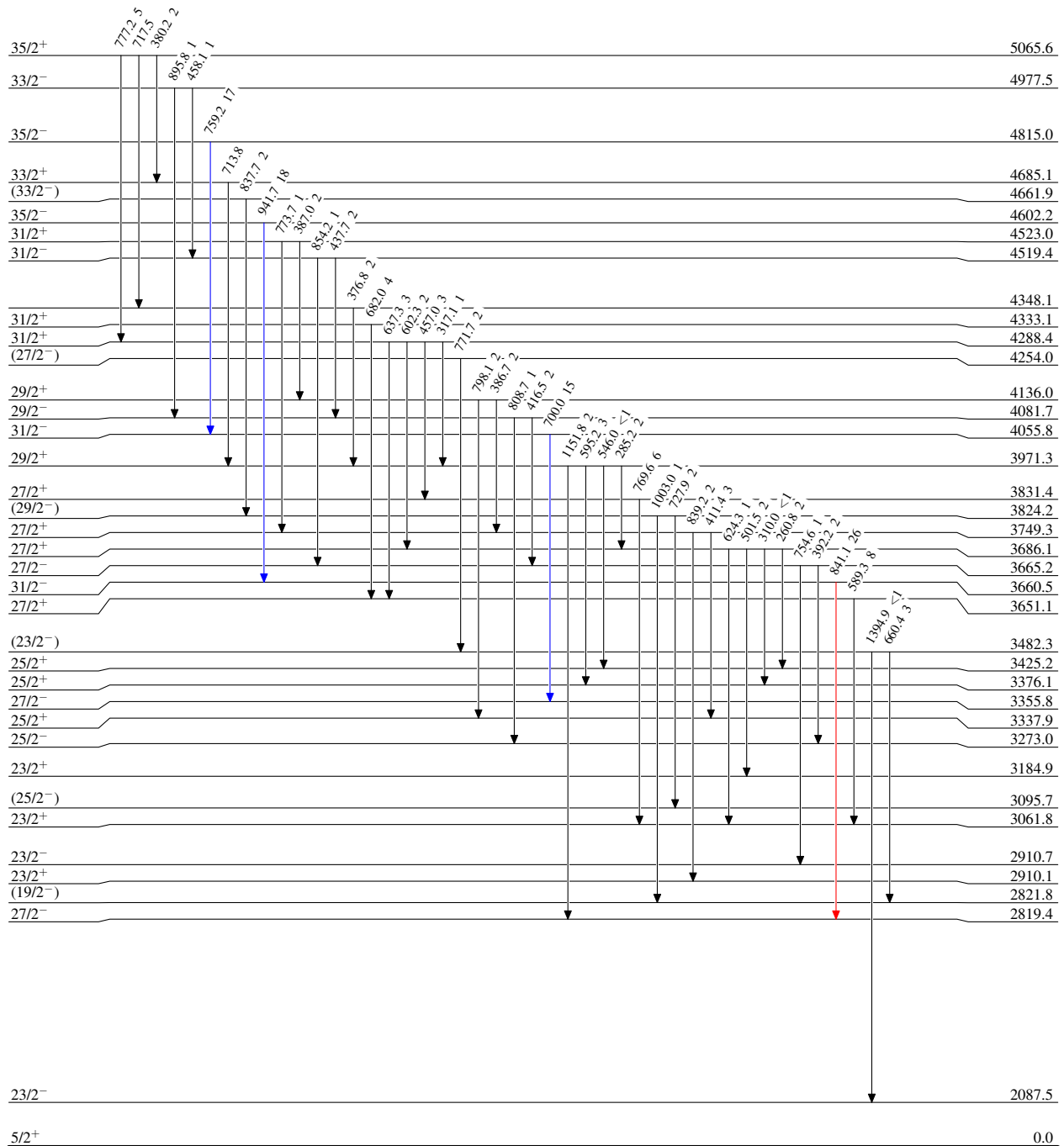
$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ 1999Mo17

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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



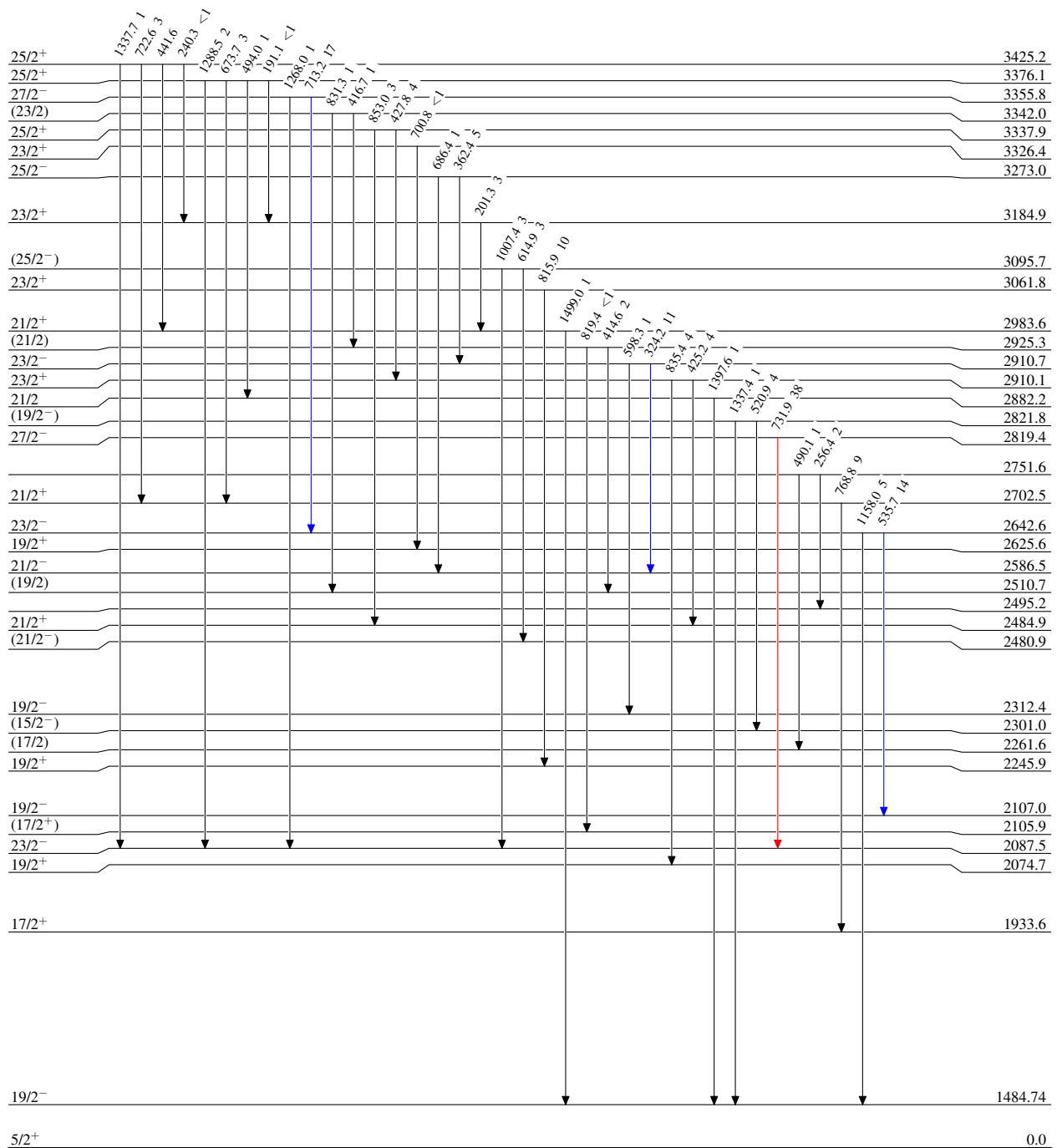
$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ 1999Mo17

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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



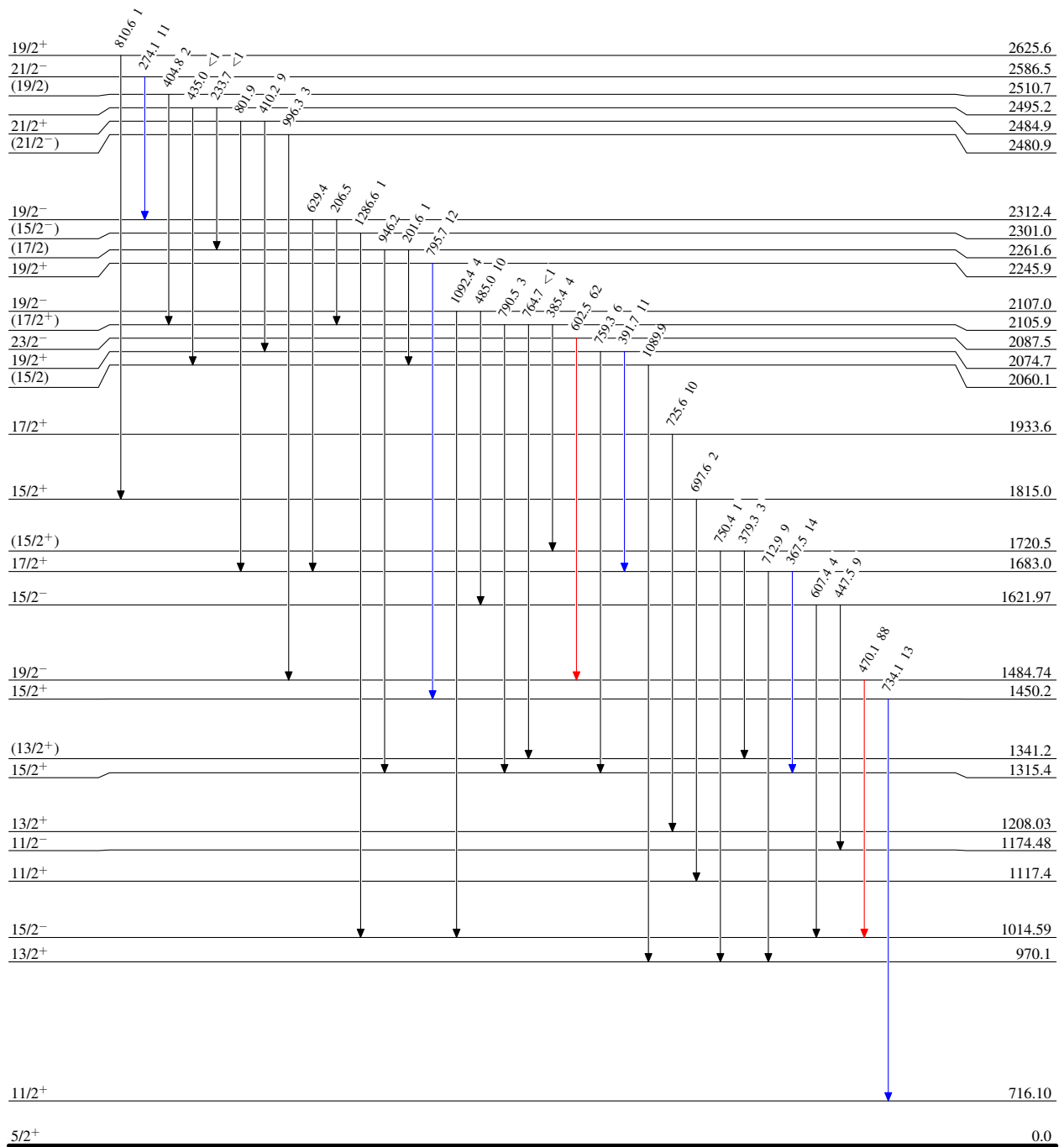
$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ 1999Mo17

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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



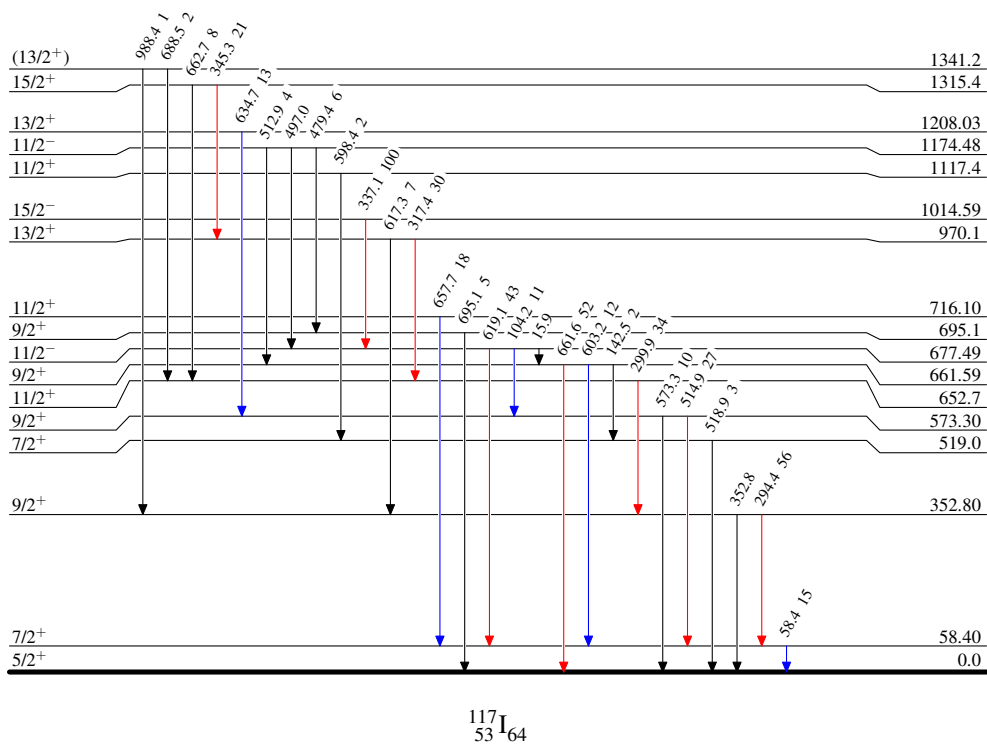
$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ 1999Mo17

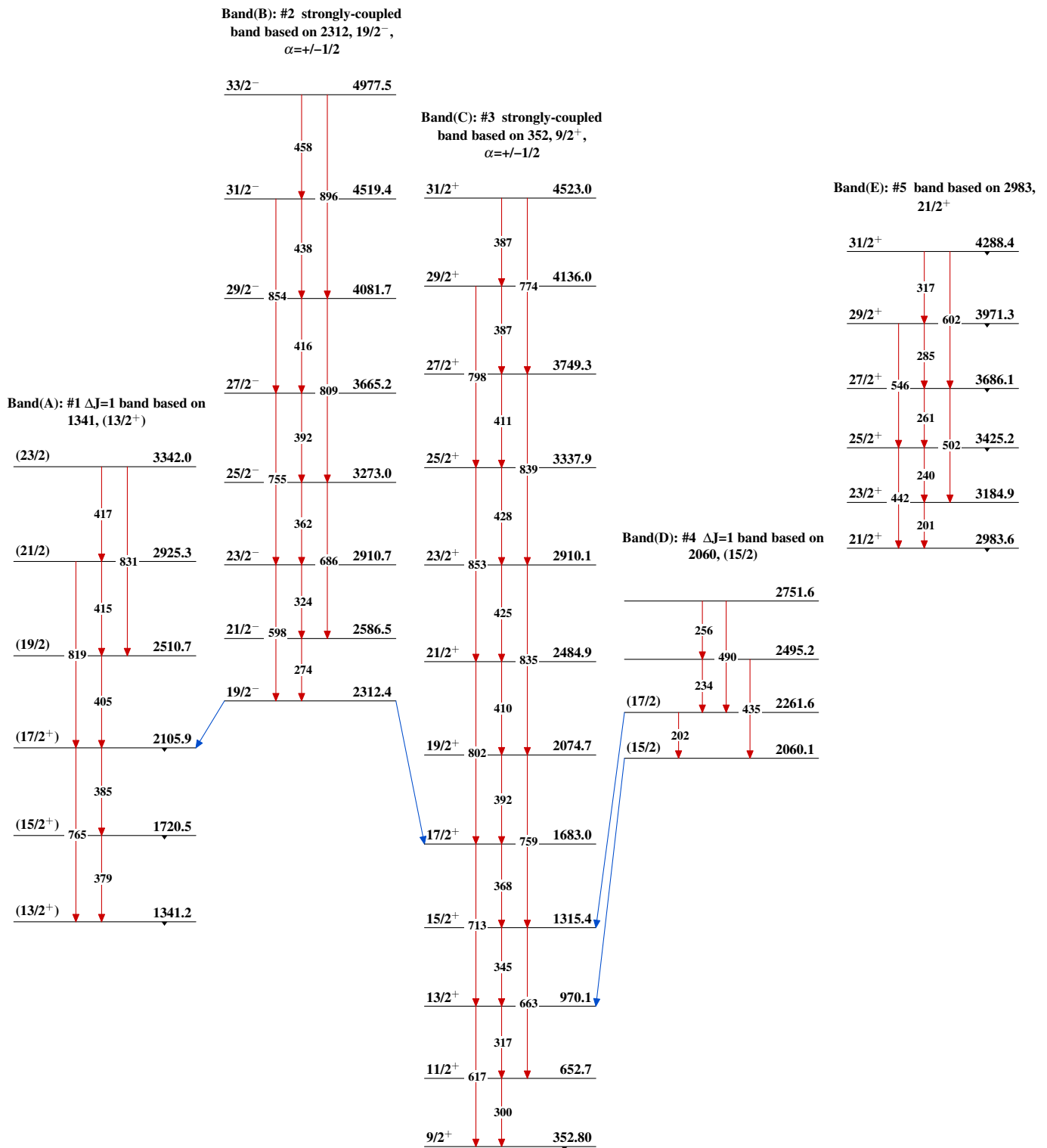
Level Scheme (continued)

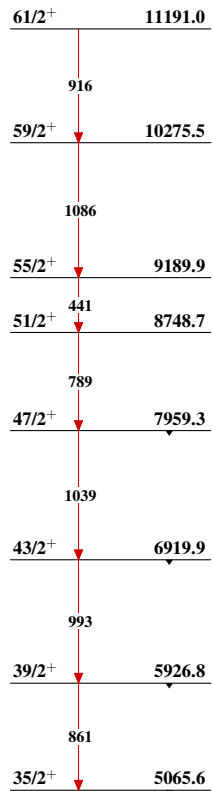
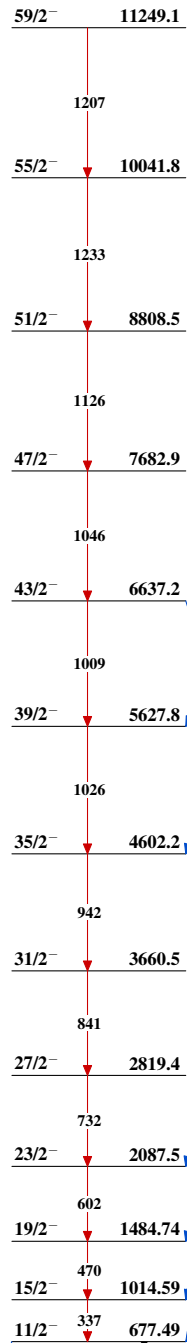
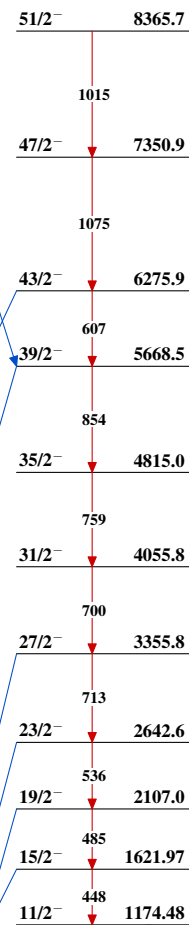
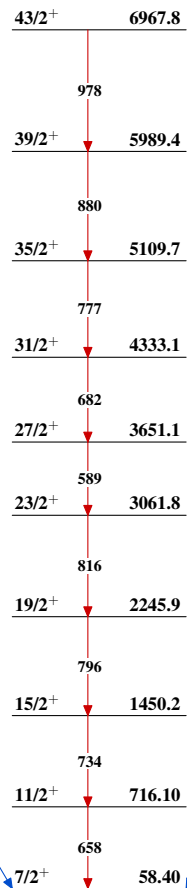
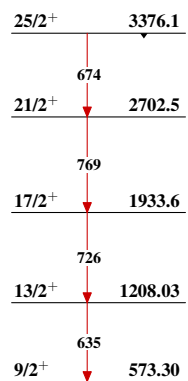
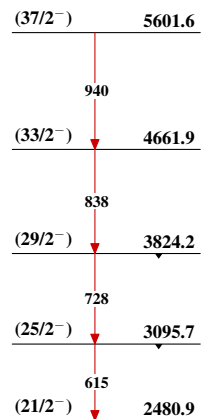
Intensities: Relative I_γ

Legend

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

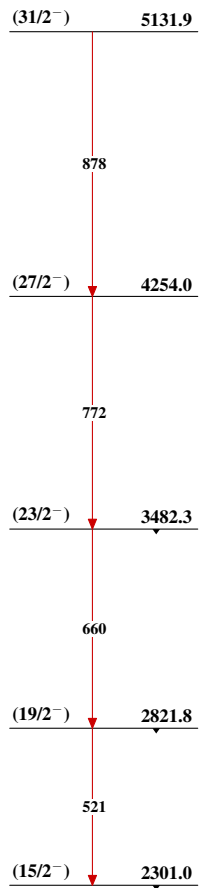


$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ 1999Mo17

$^{103}\text{Rh}(^{18}\text{O},4n\gamma)$ 1999Mo17 (continued)Band(F): #6 band based
on 5065, 35/2⁺Band(I): #12 band based
on 677, 11/2⁻Band(J): #14 band based
on 1174, 11/2⁻Band(H): #10 band based
on 58.4, 7/2⁺Band(G): #8 band based
on 573, 7/2⁺, $\alpha=+1/2$ Band(K): #15 band based
on 2480, (21/2⁻)

$^{103}\text{Rh}(^{18}\text{O},4\text{n}\gamma)$ 1999Mo17 (continued)

Band(L): #16 band based
on 2301, (15/2⁻)



Band(M): #17 band based
on 519, 7/2⁺

