^{100}Mo(^{11}B,α2nγ) 2004Al03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, J. Timar and Z. Elekes	NDS 161, 1 (2019)	1-Apr-2019

Facility: Sao Paolo University's Pelletron Tandem; Beam: E(^{11}B)=43 MeV; Target:≈18 mg/cm^2 enriched in ^{100}Mo; Detectors: ΔE-E SACI telescope consisting of 11 plastic phoswich scintillators, and PERERE spectrometer comprising 4 HPGe detectors with BGO shields; Measured: γ, γ-γ coinc, Eγ, Iγ, $\gamma\gamma(\theta)$; Deduced: ^{105}Rh level scheme, J^π, band structure; Also from the same collaboration: 1997Es04, 2001Cy01.

^{105}Rh Levels

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
0.0@	7/2+	1147.6 3		2170.24c 10	15/2−	2993.12c 20	23/2−
129.73a 18	1/2−	1206.95e 10	13/2+	2244.17@ 13	19/2+	3077.93f 16	23/2−
149.15# 7	9/2+	1297.1 5		2310.71c 11	17/2−	3197.62& 19	25/2+
392.74b 19	3/2−	1365.92@ 10	15/2+	2330.01 17	(15/2)	3267.15g 17	23/2−
456.14a 16	5/2−	1399.82d 14	11/2+	2396.16a 14	17/2−	3308.52c 22	25/2−
469.8 4	3/2+	1406.2 3		2417.36f 17	15/2−	3344.7d 4	(23/2+)
499.46 12	5/2+	1475.22 25		2477.12g 11	17/2−	3469.93f 19	(25/2−)
602.77@ 7	11/2+	1519.1 7		2496.02c 13	19/2−	3478.1& 3	27/2+
638.75 12	7/2+	1529.9 3		2512.67f 13	17/2−	3536.9# 3	25/2+
734.25e 8	11/2+	1565.47b 22	(11/2−)	2521.19# 15	21/2+	3667.7g 3	(25/2−)
786.4 6	1/2+	1605.52# 12	17/2+	2594.1d 3	19/2+	3769.32c 24	27/2−
794.99# 9	13/2+	1647.15a 11	13/2−	2615.34e 21	(19/2+)	3839.4& 3	29/2+
806.2 4	3/2+	1676.97e 10	15/2+	2645.70f 12	19/2−	4002.5 4	23/2+
833.65 21	(11/2)	1745.28 22		2669.09g 11	19/2−	4092.5g 4	(27/2−)
869.52 25	(5/2)	1781.0 4		2718.72c 17	21/2−	4169.9d 7	(27/2+)
894.68b 16	7/2−	1905.7 4		2825.13f 13	21/2−	4183.6c 4	(29/2−)
978.49 15	(9/2+)	1936.72d 17	15/2+	2890.84 24	(19/2)	4215.4& 3	31/2+
979.02a 14	9/2−	2019.24c 11	13/2−	2914.35g 13	21/2−	4417.5# 12	(29/2+)
1019.04d 10	7/2+	2164.02e 16	(17/2+)	2981.62& 18	23/2+	4702.2& 4	(33/2+)

† From a least-squares fit to Eγ.
‡ From 2004Al03, based on γ-ray Mult.
# Band(A): $\pi g_{9/2}$, α=+1/2.
@ Band(a): $\pi g_{9/2}$, α=−1/2.
& Band(B): 23/2+, ΔJ=1 band.
a Band(C): π1/2[301], α=+1/2.
b Band(c): π1/2[301], α=−1/2.
c Band(D): 13/2−, ΔJ=1 band.
d Band(E): π1/2[431], α=−1/2.
e Band(F): π7/2[413] + γ phonon.
f Band(G): 15/2−, ΔJ=1 band, $\pi g_{9/2}\nu(h_{11/2}g_{7/2})$.
g Band(H): 17/2−, ΔJ=1 band, $\pi g_{9/2}\nu(h_{11/2}g_{7/2})$.

^{100}Mo(^{11}B,α2nγ) 2004Al03 (continued)

$\gamma(^{105}Rh)$

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	Comments
63.4 *2*	8.5 *9*	456.14	5/2$^-$	392.74	3/2$^-$	M1+E2	Mult.: R_{DCO}=0.8 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
84.4 *1*	0.61 *21*	979.02	9/2$^-$	894.68	7/2$^-$		
95.3 *2*	1.43 *18*	2512.67	17/2$^-$	2417.36	15/2$^-$		
100.2 *2*	0.76 *12*	2496.02	19/2$^-$	2396.16	17/2$^-$		
133.0 *2*	1.89 *21*	2645.70	19/2$^-$	2512.67	17/2$^-$	M1	Mult.: R_{DCO}=0.34 *20* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
140.4 *1*	17.1 *9*	2310.71	17/2$^-$	2170.24	15/2$^-$	M1+E2	Mult.: R_{DCO}=0.71 *14* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
149.2 *1*	>282	149.15	9/2$^+$	0.0	7/2$^+$	M1+E2	I_γ: > 282 *8*: total intensity of feeding γ rays divided by α(149γ). Mult.: R_{DCO}=0.74 *16* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
149.5 *4*	1.2 *4*	1297.1		1147.6			
151.1 *1*	8.8 *6*	2170.24	15/2$^-$	2019.24	13/2$^-$	M1+E2	Mult.: R_{DCO}=0.76 *22* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
156.0 *1*	1.98 *18*	2825.13	21/2$^-$	2669.09	19/2$^-$	M1	Mult.: R_{DCO}=0.34 *20* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
156.4 *1*	0.88 *24*	2669.09	19/2$^-$	2512.67	17/2$^-$		
168.6 *1*	3.32 *24*	2645.70	19/2$^-$	2477.12	17/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.63 *25* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
179.4 *1*	5.8 *4*	2825.13	21/2$^-$	2645.70	19/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.6 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
185.3 *1*	29.3 *15*	2496.02	19/2$^-$	2310.71	17/2$^-$	M1+E2	Mult.: R_{DCO}=0.68 *9* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
191.9 *1*	4.0 *3*	2669.09	19/2$^-$	2477.12	17/2$^-$	M1	Mult.: R_{DCO}=0.49 *16* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
192.2 *1*	41.8 *21*	794.99	13/2$^+$	602.77	11/2$^+$	M1+E2	Mult.: R_{DCO}=0.78 *11* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
216.0 *1*	16.5 *9*	3197.62	25/2$^+$	2981.62	23/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.52 *8* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
222.7 *1*	20.1 *11*	2718.72	21/2$^-$	2496.02	19/2$^-$	M1+E2	Mult.: R_{DCO}=0.65 *11* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
239.7 *1*	12.2 *7*	1605.52	17/2$^+$	1365.92	15/2$^+$	M1+E2	Mult.: R_{DCO}=0.62 *15* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
245.2 *1*	2.90 *24*	2914.35	21/2$^-$	2669.09	19/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.69 *23* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
252.8 *1*	4.4 *3*	3077.93	23/2$^-$	2825.13	21/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.6 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
263.0 *1*	>12.9	392.74	3/2$^-$	129.73	1/2$^-$	M1(+E2)	I_γ: > 12.9 *11*: total intensity of feeding γ rays divided by α(263γ). Mult.: R_{DCO}=0.55 *10* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
268.7 *1*	2.44 *21*	2914.35	21/2$^-$	2645.70	19/2$^-$		
273.0 *2*	1.43 *21*	2669.09	19/2$^-$	2396.16	17/2$^-$		
274.4 *1*	12.7 *7*	2993.12	23/2$^-$	2718.72	21/2$^-$	M1+E2	Mult.: R_{DCO}=0.68 *13* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
277.0 *1*	5.7 *4*	2521.19	21/2$^+$	2244.17	19/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.49 *20* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
280.4 *2*	14.8 *8*	3478.1	27/2$^+$	3197.62	25/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.60 *12* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
306.8 *1*	3.8 *3*	2477.12	17/2$^-$	2170.24	15/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.6 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
315.4 *1*	6.8 *4*	3308.52	25/2$^-$	2993.12	23/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.61 *14* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
316.6 *4*	0.8 *4*	786.4	1/2$^+$	469.8	3/2$^+$		
326.4 *1*	146 *17*	456.14	5/2$^-$	129.73	1/2$^-$	E2	Mult.: R_{DCO}=1.05 *7* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
329.4 *2*	1.37 *18*	2825.13	21/2$^-$	2496.02	19/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.7 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
335.0 *1*	4.8 *4*	2645.70	19/2$^-$	2310.71	17/2$^-$	M1	Mult.: R_{DCO}=0.46 *13* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
340.2 *4*	1.4 *7*	469.8	3/2$^+$	129.73	1/2$^-$		

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^{100}Mo(^{11}B,α2nγ) 2004Al03 (continued)

γ(^{105}Rh) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	Comments
350.4 *3*	2.0 *5*	499.46	5/2$^+$	149.15	9/2$^+$		
352.8 *1*	3.3 *3*	3267.15	23/2$^-$	2914.35	21/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.56 *15* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
358.4 *1*	4.9 *4*	2669.09	19/2$^-$	2310.71	17/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.46 *25* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
361.3 *1*	8.4 *5*	3839.4	29/2$^+$	3478.1	27/2$^+$	M1	Mult.: R_{DCO}=0.47 *12* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
369.6 *2*	1.6 *3*	2890.84	(19/2)	2521.19	21/2$^+$	D(+Q)	Mult.: R_{DCO}=0.7 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
371.2 *6*	0.6 *3*	2019.24	13/2$^-$	1647.15	13/2$^-$		
376.1 *1*	3.8 *3*	4215.4	31/2$^+$	3839.4	29/2$^+$	M1	Mult.: R_{DCO}=0.48 *15* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
380.3 *6*	0.67 *12*	1019.04	7/2$^+$	638.75	7/2$^+$		
380.8 *1*	8.6 *7*	1399.82	11/2$^+$	1019.04	7/2$^+$	E2	Mult.: R_{DCO}=1.1 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
392.0 *1*	2.04 *21*	3469.93	(25/2$^-$)	3077.93	23/2$^-$	(M1+E2)	Mult.: R_{DCO}=0.8 *5* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
400.6 *2*	1.22 *15*	3667.7	(25/2$^-$)	3267.15	23/2$^-$		
413.5 *3*	0.8 *3*	806.2	3/2$^+$	392.74	3/2$^-$		
413.7 *4*	2.6 *6*	869.52	(5/2)	456.14	5/2$^-$		
414.3 *2*	1.28 *12*	4183.6	(29/2$^-$)	3769.32	27/2$^-$		
421.1 *3*	1.07 *18*	1399.82	11/2$^+$	978.49	(9/2$^+$)		
424.8 *2*	0.76 *12*	4092.5	(27/2$^-$)	3667.7	(25/2$^-$)		
438.6 *1*	9.1 *8*	894.68	7/2$^-$	456.14	5/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.53 *12* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
451.2 *4*	1.3 *3*	2615.34	(19/2$^+$)	2164.02	(17/2$^+$)		
453.7 *1*	100 *5*	602.77	11/2$^+$	149.15	9/2$^+$	M1+E2	Mult.: R_{DCO}=0.69 *13* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
460.4 *2*	19.9 *12*	2981.62	23/2$^+$	2521.19	21/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.58 *12* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
460.8 *1*	3.11 *24*	3769.32	27/2$^-$	3308.52	25/2$^-$	M1(+E2)	Mult.: R_{DCO}=0.52 *16* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
465.6 *3*	1.04 *23*	4002.5	23/2$^+$	3536.9	25/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.49 *22* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
469.4 *6*	14.6 *4*	469.8	3/2$^+$	0.0	7/2$^+$		
469.9 *1*	10.6 *8*	1676.97	15/2$^+$	1206.95	13/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.52 *17* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
472.5 *2*	22.3 *14*	1206.95	13/2$^+$	734.25	11/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.59 *22* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
475.5 *17*	1.4 *3*	2645.70	19/2$^-$	2170.24	15/2$^-$		
476.7 *2*	2.2 *4*	869.52	(5/2)	392.74	3/2$^-$	D+Q	Mult.: R_{DCO}=0.65 *17* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
479.0 *1*	5.2 *7*	978.49	(9/2$^+$)	499.46	5/2$^+$	(E2)	Mult.: R_{DCO}=1.3 *5* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
486.8 *2*	1.62 *18*	4702.2	(33/2$^+$)	4215.4	31/2$^+$		
487.0 *2*	2.7 *4*	2164.02	(17/2$^+$)	1676.97	15/2$^+$	(M1+E2)	Mult.: R_{DCO}=0.6 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
489.6 *1*	10.7 *9*	638.75	7/2$^+$	149.15	9/2$^+$	M1(+E2)	Mult.: R_{DCO}=0.6 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
496.2 *2*	2.9 *5*	1475.22		979.02	9/2$^-$		
496.5 *8*	0.91 *21*	3478.1	27/2$^+$	2981.62	23/2$^+$		
496.8 *13*	0.6 *3*	2993.12	23/2$^-$	2496.02	19/2$^-$		
498.3 *4*	1.2 *3*	2669.09	19/2$^-$	2170.24	15/2$^-$		
499.4 *2*	11.6 *3*	499.46	5/2$^+$	0.0	7/2$^+$	M1+E2	Mult.: R_{DCO}=1.0 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
502.0 *2*	1.7 *3*	894.68	7/2$^-$	392.74	3/2$^-$	E2	Mult.: R_{DCO}=0.9 *3* in ^{100}Mo(^{11}B,α2nγ)

^{100}Mo(^{11}B,α2nγ) 2004Al03 (continued)

$\gamma(^{105}Rh)$ (continued)

E_γ [†]	I_γ [†]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [‡]	Comments
							(2004Al03).

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^{100}Mo(^{11}B,α2nγ) 2004Al03 (continued)

γ(^{105}Rh) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	Comments
511.5 *2*	2.2 *4*	1406.2		894.68	7/2$^-$		
519.6 *1*	7.0 *8*	1019.04	7/2$^+$	499.46	5/2$^+$	M1+E2	Mult.: R_{DCO}=0.71 *16* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
522.8 *1*	108 *6*	979.02	9/2$^-$	456.14	5/2$^-$	E2	Mult.: R_{DCO}=0.97 *7* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
522.9 *1*	8.4 *6*	2170.24	15/2$^-$	1647.15	13/2$^-$		
536.9 *1*	8.7 *7*	1936.72	15/2$^+$	1399.82	11/2$^+$	E2	Mult.: R_{DCO}=1.18 *20* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
570.9 *1*	48 *3*	1365.92	15/2$^+$	794.99	13/2$^+$	M1+E2	Mult.: R_{DCO}=0.80 *16* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
585.1 *1*	43.3 *24*	734.25	11/2$^+$	149.15	9/2$^+$	M1	Mult.: R_{DCO}=0.48 *20* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
586.4 *2*	4.2 *6*	1565.47	(11/2$^-$)	979.02	9/2$^-$	(M1+E2)	Mult.: R_{DCO}=0.9 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
602.7 *1*	13.7 *13*	602.77	11/2$^+$	0.0	7/2$^+$	E2	Mult.: R_{DCO}=0.90 *19* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
604.1 *1*	17.3 *11*	1206.95	13/2$^+$	602.77	11/2$^+$	M1+E2	Mult.: R_{DCO}=0.87 *21* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
635.2 *2*	2.6 *4*	1529.9		894.68	7/2$^-$		
638.7 *1*	17.1 *11*	2244.17	19/2$^+$	1605.52	17/2$^+$	M1+E2	Mult.: R_{DCO}=0.83 *17* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
642.0 *5*	1.07 *21*	3839.4	29/2$^+$	3197.62	25/2$^+$		
645.8 *1*	146 *7*	794.99	13/2$^+$	149.15	9/2$^+$	E2	Mult.: R_{DCO}=0.98 *10* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
657.4 *2*	3.6 *4*	2594.1	19/2$^+$	1936.72	15/2$^+$	E2	Mult.: R_{DCO}=0.9 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
663.6 *1*	26.9 *15*	2310.71	17/2$^-$	1647.15	13/2$^-$	E2	Mult.: R_{DCO}=0.99 *12* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
668.1 *1*	73 *4*	1647.15	13/2$^-$	979.02	9/2$^-$	E2	Mult.: R_{DCO}=1.01 *9* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
670.9 *3*	1.9 *4*	1565.47	(11/2$^-$)	894.68	7/2$^-$		
676.4 *2*	3.8 *4*	3197.62	25/2$^+$	2521.19	21/2$^+$	E2	Mult.: R_{DCO}=1.0 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
684.5 *2*	7.5 *9*	833.65	(11/2)	149.15	9/2$^+$	D+Q	Mult.: R_{DCO}=0.81 *24* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
685.4 *6*	0.8 *3*	1519.1		833.65	(11/2)		
691.5 *2*	4.5 *7*	1147.6		456.14	5/2$^-$	D+Q	Mult.: R_{DCO}=0.9 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
698.8 *3*	2.7 *4*	1905.7		1206.95	13/2$^+$		
724.7 *2*	5.1 *6*	2330.01	(15/2)	1605.52	17/2$^+$		
734.3 *1*	20.1 *18*	734.25	11/2$^+$	0.0	7/2$^+$	E2	Mult.: R_{DCO}=0.7 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
736.9 *6*	1.3 *4*	4215.4	31/2$^+$	3478.1	27/2$^+$		
737.5 *2*	4.4 *4*	2981.62	23/2$^+$	2244.17	19/2$^+$	E2	Mult.: R_{DCO}=0.9 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
749.1 *1*	13.5 *9*	2396.16	17/2$^-$	1647.15	13/2$^-$	E2	Mult.: R_{DCO}=1.01 *19* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
750.6 *2*	1.8 *3*	3344.7	(23/2$^+$)	2594.1	19/2$^+$	(E2)	Mult.: R_{DCO}=0.8 *3* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
763.2 *1*	17.2 *11*	1365.92	15/2$^+$	602.77	11/2$^+$	E2	Mult.: R_{DCO}=0.88 *22* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
802.0 *3*	2.0 *5*	1781.0		979.02	9/2$^-$	D,Q	Mult.: R_{DCO}=1.0 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
803.8 *4*	1.4 *3*	2170.24	15/2$^-$	1365.92	15/2$^+$	E1(+M2)	Mult.: R_{DCO}=0.8 *5* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
810.6 *5*	75 *4*	1605.52	17/2$^+$	794.99	13/2$^+$	E2	Mult.: R_{DCO}=1.00 *11* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).

Continued on next page (footnotes at end of table)

^{100}Mo(^{11}B,α2nγ) 2004Al03 (continued)

γ(^{105}Rh) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	Comments
825.2 *6*	0.76 *18*	4169.9	(27/2$^+$)	3344.7	(23/2$^+$)		
830.0 *1*	4.8 *5*	2477.12	17/2$^-$	1647.15	13/2$^-$	E2	Mult.: R_{DCO}=0.85 *25* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
835.6 *2*	2.8 *5*	2512.67	17/2$^-$	1676.97	15/2$^+$		
869.9 *1*	4.4 *6*	1019.04	7/2$^+$	149.15	9/2$^+$	M1	Mult.: R_{DCO}=0.31 *20* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
878.2 *1*	9.7 *7*	2244.17	19/2$^+$	1365.92	15/2$^+$	E2	Mult.: R_{DCO}=0.88 *25* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
880.6 *11*	1.1 *4*	4417.5	(29/2$^+$)	3536.9	25/2$^+$	(E2)	Mult.: R_{DCO}=0.9 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
915.4 *6*	34.2 *21*	2521.19	21/2$^+$	1605.52	17/2$^+$	E2	Mult.: R_{DCO}=0.97 *12* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
938.4 *2*	3.0 *5*	2615.34	(19/2$^+$)	1676.97	15/2$^+$		
942.8 *1*	10.6 *10*	1676.97	15/2$^+$	734.25	11/2$^+$	E2	Mult.: R_{DCO}=0.9 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
944.8 *1*	6.3 *5*	2310.71	17/2$^-$	1365.92	15/2$^+$	E1	Mult.: R_{DCO}=0.52 *21* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
957.1 *2*	4.4 *5*	2164.02	(17/2$^+$)	1206.95	13/2$^+$		
1015.7 *2*	3.9 *5*	3536.9	25/2$^+$	2521.19	21/2$^+$	E2	Mult.: R_{DCO}=1.1 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
1019.0 *4*	2.4 *6*	1019.04	7/2$^+$	0.0	7/2$^+$	M1+E2	Mult.: R_{DCO}=1.7 *9* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
1040.4 *3*	1.74 *24*	2019.24	13/2$^-$	979.02	9/2$^-$		
1142.5 *2*	3.9 *6*	1745.28		602.77	11/2$^+$	D,Q	Mult.: R_{DCO}=0.8 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
1210.4 *2*	2.9 *5*	2417.36	15/2$^-$	1206.95	13/2$^+$		
1224.3 *1*	6.4 *6*	2019.24	13/2$^-$	794.99	13/2$^+$	E1+M2	Mult.: R_{DCO}=1.1 *5* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
1285.6 *5*	1.2 *4*	2890.84	(19/2)	1605.52	17/2$^+$	(D+Q)	Mult.: R_{DCO}=1.1 *4* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
1375.2 *1*	11.0 *8*	2170.24	15/2$^-$	794.99	13/2$^+$	E1	Mult.: R_{DCO}=0.37 *15* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
1416.6 *2*	3.1 *4*	2019.24	13/2$^-$	602.77	11/2$^+$	E1	Mult.: R_{DCO}=0.35 *15* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).
1534.8 *2*	5.1 *6*	2330.01	(15/2)	794.99	13/2$^+$	D	Mult.: R_{DCO}=0.39 *21* in ^{100}Mo(^{11}B,α2nγ) (2004Al03).

[†] From 2004Al03.
[‡] From 2004Al03, based on DCO measurements.

^{100}Mo(^{11}B,α2nγ) 2004Al03

Level Scheme

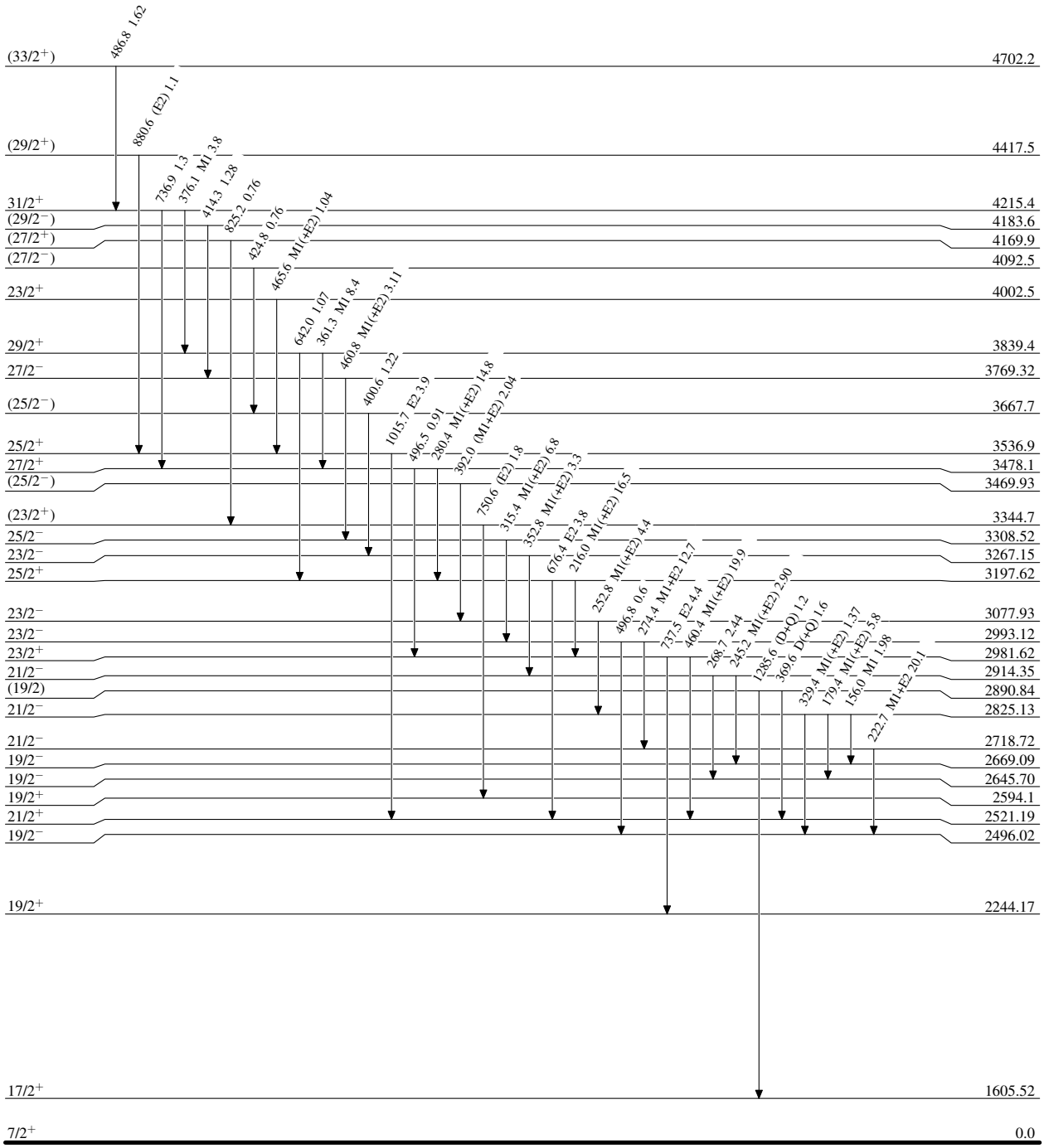
Intensities: Relative I_γ

Legend

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

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

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



$^{105}_{45}Rh_{60}$

^{100}Mo(^{11}B,α2nγ) 2004Al03

Level Scheme (continued)

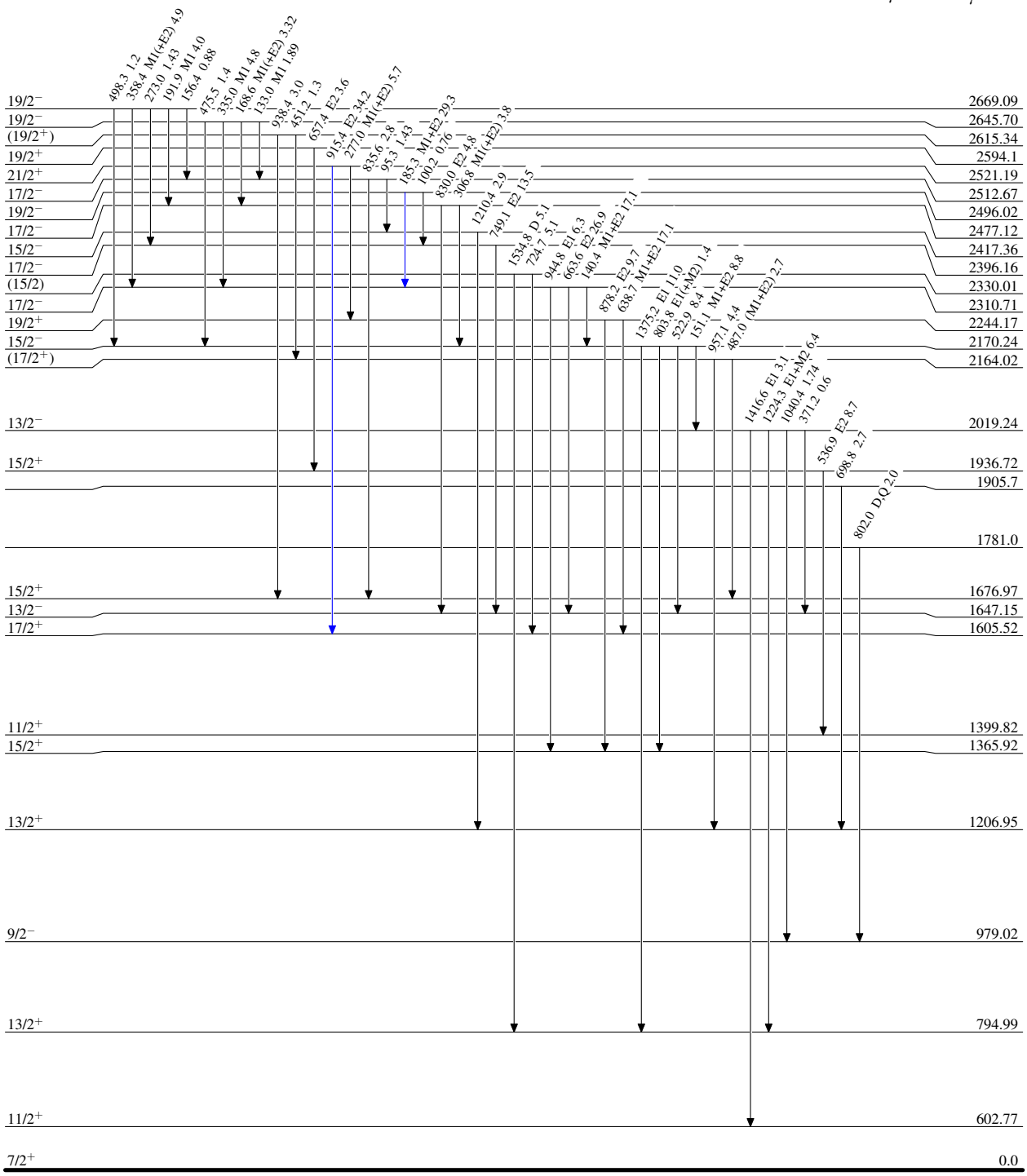
Intensities: Relative I_γ

Legend

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

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

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



$^{105}_{45}Rh_{60}$

^{100}Mo(^{11}B,α2nγ) 2004Al03

Level Scheme (continued)

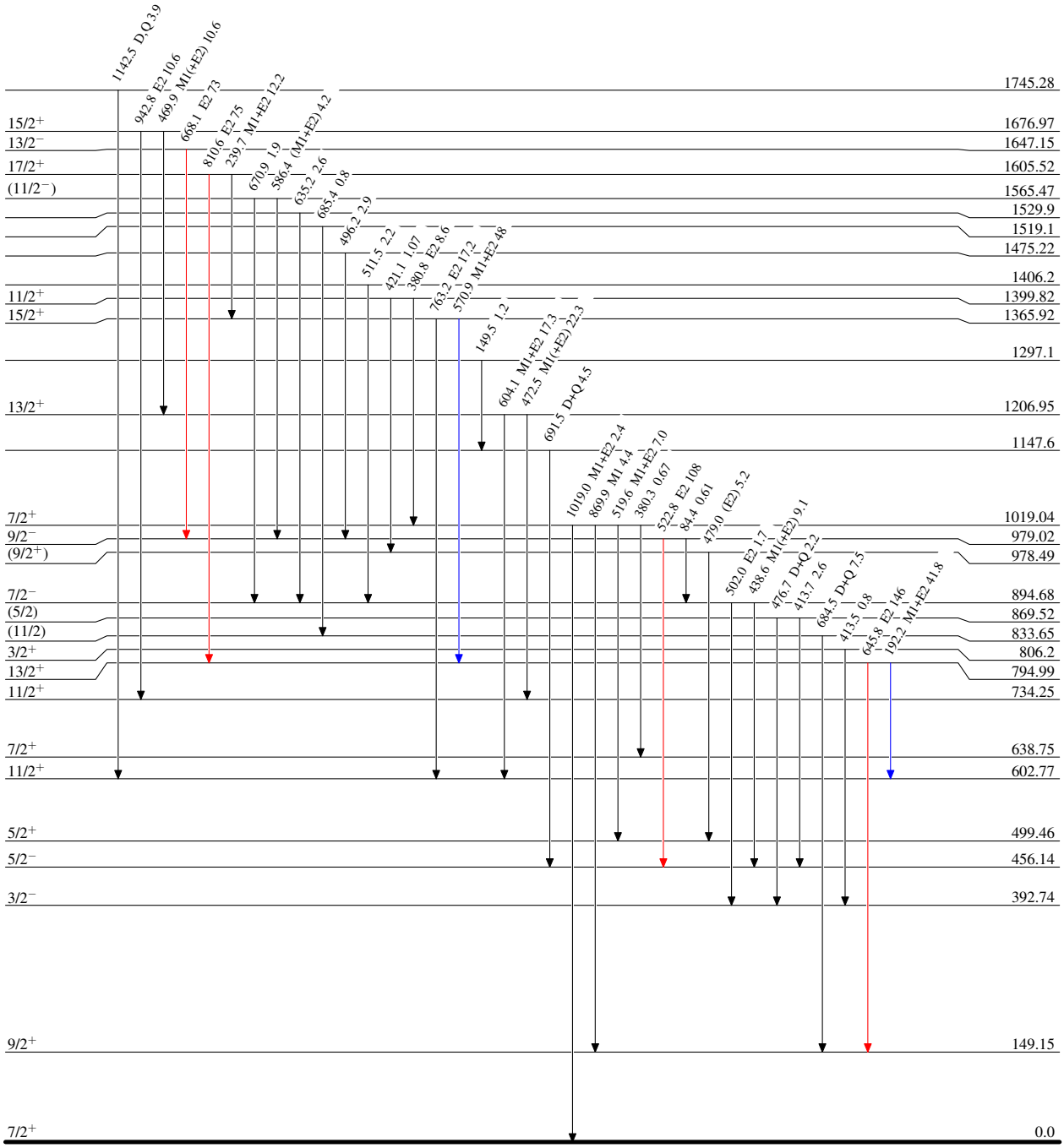
Intensities: Relative I_γ

Legend

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

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

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



$^{105}_{45}Rh_{60}$

^{100}Mo(^{11}B,α2nγ) 2004Al03

Level Scheme (continued)

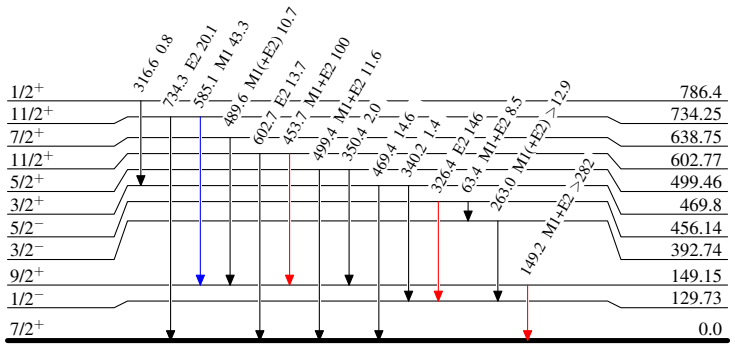
Intensities: Relative I_γ

Legend

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

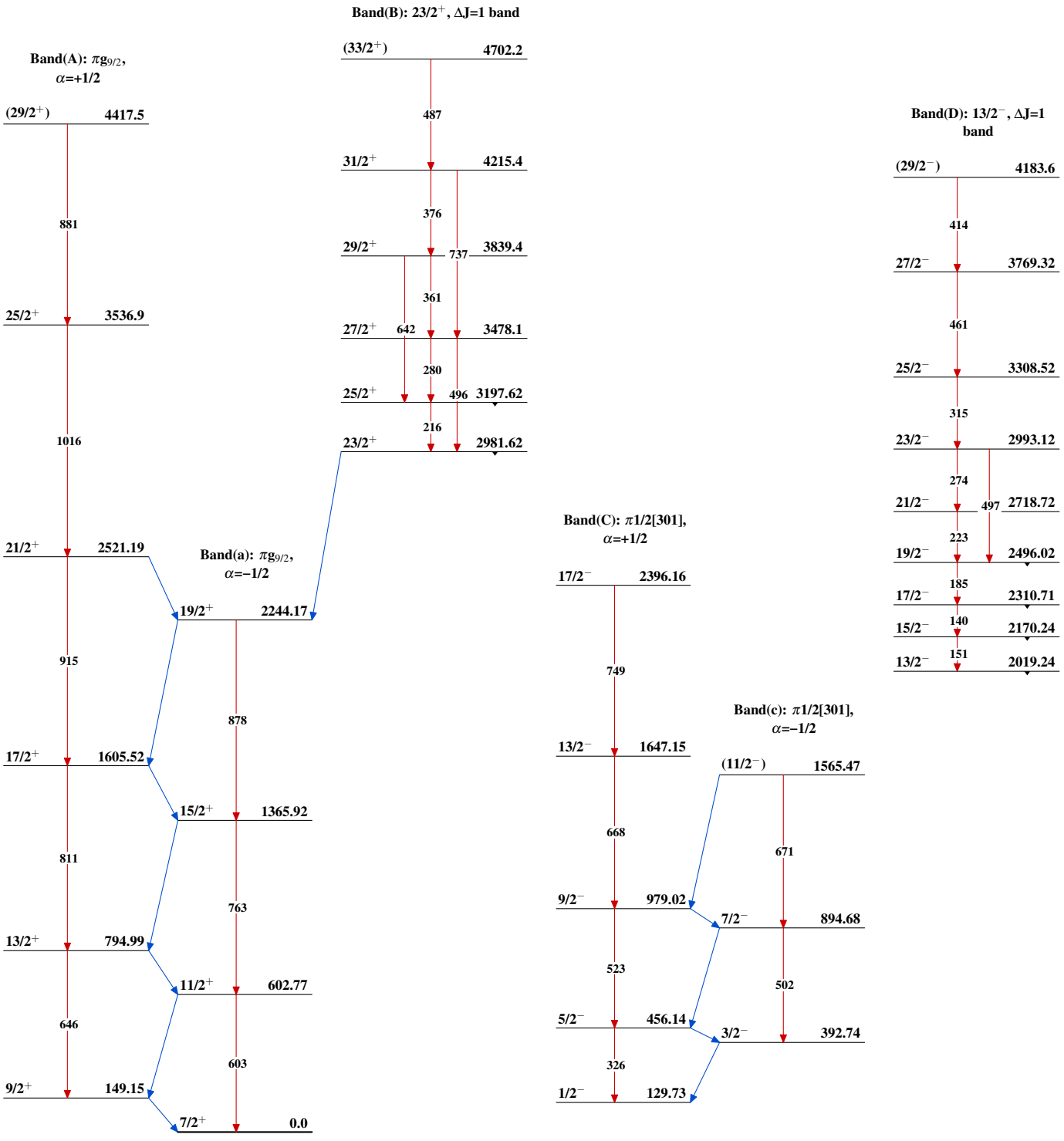
$I_\gamma < 10\% \times I_\gamma^{max}$

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



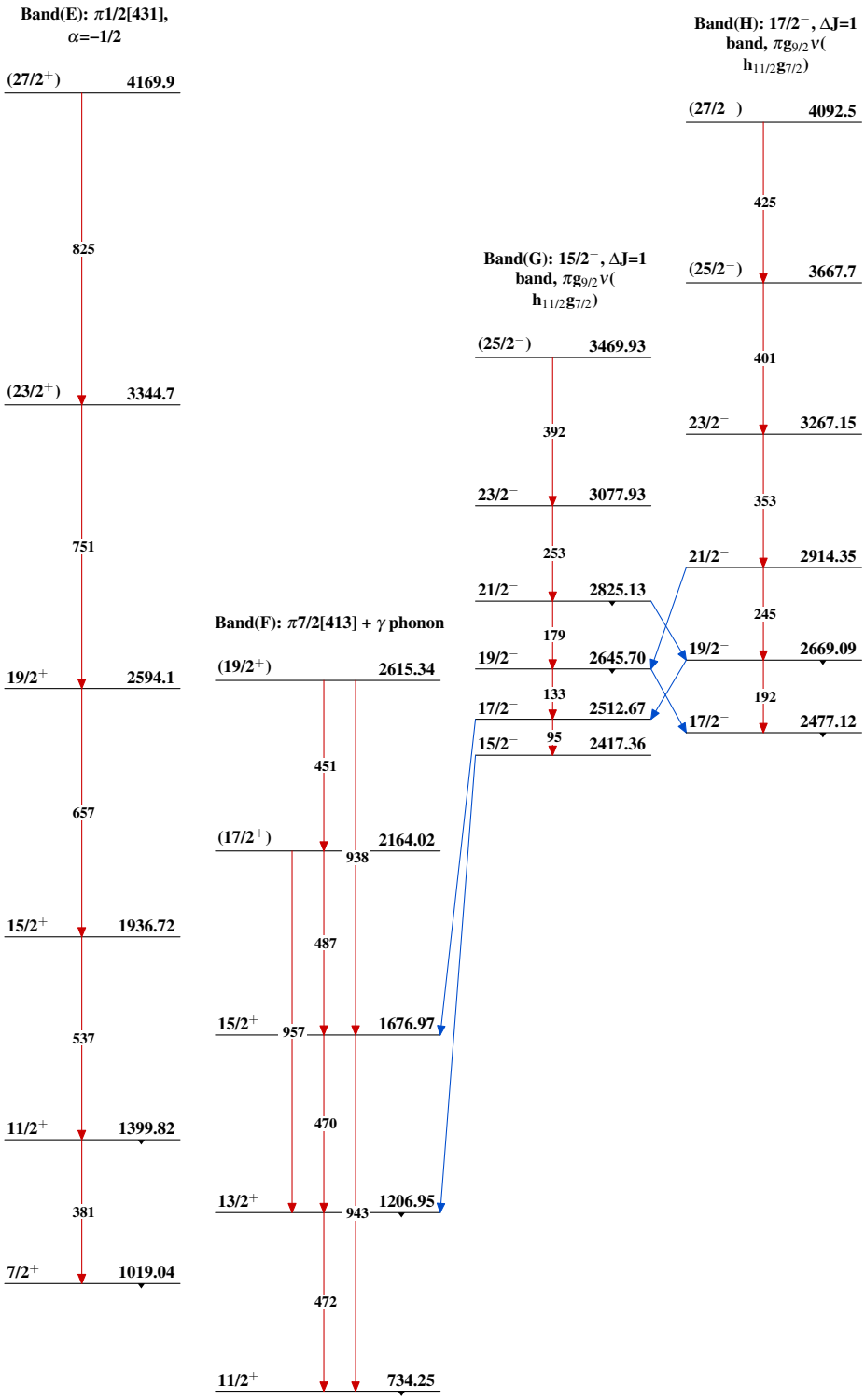
$^{105}_{45}Rh_{60}$

^{100}Mo(^{11}B,α2nγ) 2004Al03



$^{105}_{45}Rh_{60}$

^{100}Mo(^{11}B,α2nγ) 2004Al03 (continued)



$^{105}_{45}Rh_{60}$