(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. Tamura	NDS 108,455 (2007)	30-Sep-2006

The level scheme is that proposed by 2001Pe21 and 2001Zh22 on the basis of γγ-coincidence, DCO ratios, excitation functions and transition intensity balance.

2004Fr06: ^{112}Sn(^{12}C,2nγ), E(^{12}C)=50 MeV; γγ(θ) coincidence spectrometry with 8 HPGe counters (4 of 8 HPGe were Compton suppressed with BGO balls), deduced detailed Eγ, Iγ relevant to g.s. band (band 1) (up to (18$^+$)), band 2 (up to (12$^-$)), band 3 (up to (15$^-$)), and linking interband transitions. Additionally assigned gamma band (up to (11$^+$)).

2001Pe21: ^{92}Mo(^{40}Ca,2α2pγ), E(^{40}Ca)=190 MeV; 40 Compton suppressed Ge counters with BGO balls, γ-γ-γ coincidence spectrometry, DCO analysis; proposed band structures: g.s. band (band 1) (up to (28$^+$)), band 2 (up to (24$^-$)), band 3 (up to (25$^-$)), band 4 (up to (24$^-$)), band 5 (up to (23$^-$)), band 6 (up to x+6012 kev). No detailed information on Eγ (ΔE=1 keV) nor Iγ are presented.

2001Zh22: ^{107}Ag(^{19}F,4nγ), E(^{19}F)=86 MeV; 10 Compton suppressed Ge counters with BGO balls, γγ-coincidence spectrometry, DCO analysis. Deduced detailed Eγ and Iγ for g.s. band (band 1) (up to (20$^+$)), and band 3 (up to (19$^-$)).

1974Co36: ^{108}Cd(^{16}O,2nγ) E(^{16}O)=52.5-66 MeV; semi γ, γγ-coincidence, excitation functions, γ(θ); γ(t) using pulsed beam; proposed the g.s. band (band 1) (up to (12$^+$)).

^{122}Ba Levels

E(level)	J$^{\pi}$ †	Comments
0.0#	0$^+$	
195.9# 3	2$^+$	Additional information 1.
568.3# 5	(4$^+$)	Additional information 2.
618.2?d 3	(2$^+$)	
1081.28# 16	(6$^+$)	
1167.70d 23	(3$^+$)	
1205.1?d 4	(4$^+$)	
1604.19d 20	(5$^+$)	
1701.52# 21	(8$^+$)	
1882.70& 17	(5$^-$)	
2141.40d 24	(7$^+$)	
2204.6& 3	(7$^-$)	
2297.98@ 19	(6$^-$)	
2395.4# 3	(10$^+$)	
2640.1& 3	(9$^-$)	
2663.53@ 22	(8$^-$)	
2693.5a 8	(6$^-$)	
2705.0 7	(6$^-$)	
2713.4 7	(7$^-$)	
2766.3d 3	(9$^+$)	
2804.6b 8	(7$^-$)	
2955.5a 10	(8$^-$)	
3117.5@ 11	(10$^-$)	
3121.2# 4	(12$^+$)	
3154.6b 10	(9$^-$)	
3180.8& 3	(11$^-$)	
3392.3a 11	(10$^-$)	
3452.1d 4	(11$^+$)	

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(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21 (continued)

^{122}Ba Levels (continued)

E(level)	Jπ†	Comments
3669.1[b] 12	(11⁻)	
3700.5[@] 15	(12⁻)	
3827.2[&] 5	(13⁻)	
3835.6[#] 4	(14⁺)	
3981.2[a] 13	(12⁻)	
4325.2[b] 14	(13⁻)	
4396.5[@] 18	(14⁻)	
4571.6[#] 5	(16⁺)	
4572.0[&] 7	(15⁻)	
4697.1[a] 15	(14⁻)	
5096.4[b] 15	(15⁻)	
5180.5[@] 21	(16⁻)	
5379.4[#] 7	(18⁺)	
5396.8[&] 8	(17⁻)	
5516.6[a] 16	(16⁻)	
5962.7[b] 17	(17⁻)	
6034.5[@] 23	(18⁻)	
6269.2[#] 7	(20⁺)	
6284.6[&] 9	(19⁻)	
6424.1[a] 17	(18⁻)	
6909.7[b] 19	(19⁻)	
6963.5[@] 25	(20⁻)	
7236.6[&] 14	(21⁻)	
7252.2[#] 12	(22⁺)	
7408.1[a] 20	(20⁻)	
7929.7[b] 22	(21⁻)	
7984[@] 3	(22⁻)	
8258.6[&] 17	(23⁻)	
8328.2[#] 16	(24⁺)	
8467.1[a] 23	(22⁻)	
9032.7[b] 24	(23⁻)	
9084[@] 3	(24⁻)	
9361.6[&] 20	(25⁻)	
9496.2[#] 19	(26⁺)	
9612.1[a] 25	(24⁻)	
10749.2[#] 21	(28⁺)	
0+x[‡c] 1	J	Additional information 3.
x+267.0[c] 8	J+1	
x+547.0[c] 8	J+2	
x+835.0[c] 10	J+3	
x+1118.9[c] 11	J+4	
x+1405.2[c] 12	J+5	
x+1706.4[c] 13	J+6	
x+2026.6[c] 13	J+7	
x+2369.9[c] 14	J+8	

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(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21 (continued)

^{122}Ba Levels (continued)

E(level)	Jπ†	E(level)	Jπ†	E(level)	Jπ†	E(level)	Jπ†
x+2736.8[c] *15*	J+9	x+3546.8[c] *16*	J+11	x+4457.8[c] *17*	J+13	x+5463.9[c] *20*	J+15
x+3129.8[c] *15*	J+10	x+3991.8[c] *17*	J+12	x+4949.8[c] *18*	J+14	x+6010.9[c] *21*	J+16

† Spin and parity values from band structures proposed by 2004Fr06, 2001Zh22 and 2001Pe21 on the basis of DCO and analogy with the ^{120,124}Ba band structures (2001Pe21 and 2001Zh22), γ band (band 7) from comparison with calculation of rotor model and IBM prediction for interband and intraband transitions.

‡ >1082, since the level seems to feed 1082, (6^+) level.

Band(A): Band 1; g.s. band, Crossing at ≈ 360 keV due to alignment of a pair of $h_{11/2}$ protons.

@ Band(B): Band 2, configuration=π(1/2[550])π(3/2[422] + 1/2[420]), α=0.

& Band(C): Band 3, configuration=π(1/2[550])π(3/2[422] + 1/2[420]), α=1.

[a] Band(D): Band 4, configuration=π9/2[404]π1/2[550], α=0.

[b] Band(E): Band 5, configuration=π9/2[404]π1/2[550], α=1.

[c] Band(F): Band 6, configuration=ν7/2[523]ν(5/2[402] and/or 5/2[413]).

[d] Band(G): Band 7, γ band.

γ(^{122}Ba)

E_γ†	I_γ@	E_i(level)	J_i^π	E_f	J_f^π	Mult.&	δ&	Comments
91 *1*		2804.6	(7^-)	2713.4	(7^-)			
93 *1*		2297.98	(6^-)	2204.6	(7^-)			
100 *1*		2804.6	(7^-)	2705.0	(6^-)			
111 *1*		2804.6	(7^-)	2693.5	(6^-)			
151 *1*		2955.5	(8^-)	2804.6	(7^-)			
195.9 *2*	100	195.9	2^+	0.0	0^+	(E2)		Eγ=195.9, Iγ=100 in ^{107}Ag(^{19}F,4nγ), Eγ=197, Iγ=100 in ^{108}Cd(^{16}O,2nγ). Mult.: I(0°)/I(90°)≈1.2 (1974Co36); RUL.
199 *1*		3154.6	(9^-)	2955.5	(8^-)			
238 *1*		3392.3	(10^-)	3154.6	(9^-)			
262 *1*		2955.5	(8^-)	2693.5	(6^-)			Eγ=262 was shown in decay scheme only in ^{112}Sn(^{12}C,2nγ).
267 *1*		x+267.0	J+1	0+x	J			
277 *1*		3669.1	(11^-)	3392.3	(10^-)			
280 *1*		x+547.0	J+2	x+267.0	J+1			
284 *1*		x+1118.9	J+4	x+835.0	J+3			
286 *1*		x+1405.2	J+5	x+1118.9	J+4			
288 *1*		x+835.0	J+3	x+547.0	J+2			
301 *1*		x+1706.4	J+6	x+1405.2	J+5			
312 *1*		3981.2	(12^-)	3669.1	(11^-)			
320 *1*		x+2026.6	J+7	x+1706.4	J+6			
322[a] *1*		2204.6	(7^-)	1882.70	(5^-)			
343 *1*		x+2369.9	J+8	x+2026.6	J+7			
344 *1*		4325.2	(13^-)	3981.2	(12^-)			
350 *1*		3154.6	(9^-)	2804.6	(7^-)			
365.5 *2*	≈2.8	2663.53	(8^-)	2297.98	(6^-)	Q(+O)	−0.03 *12*	
367 *1*		x+2736.8	J+9	x+2369.9	J+8			
372 *1*		4697.1	(14^-)	4325.2	(13^-)			
372.7 *2*	≈78.1	568.3	(4^+)	195.9	2^+	Q(+O)	+0.02 *6*	Eγ=372.4, Iγ=81 in ^{107}Ag(^{19}F,4nγ), Eγ=373, Iγ≈75 in ^{108}Cd(^{16}O,2nγ).
393 *1*		x+3129.8	J+10	x+2736.8	J+9			
399 *1*		5096.4	(15^-)	4697.1	(14^-)			
(399.4)	<0.2	1604.19	(5^+)	1205.1?	(4^+)			Iγ(399.4)/Iγ(1035.9)<4/100.0 *19* in ^{112}Sn(^{12}C,2nγ).

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(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21 (continued)

γ(^{122}Ba) (continued)

E_γ †	I_γ @	E_i(level)	J_i^π	E_f	J_f^π	Mult.&	δ&	Comments
406 *1*		2705.0	(6$^-$)	2297.98	(6$^-$)			
415 *1*		2713.4	(7$^-$)	2297.98	(6$^-$)			
415.2 *2*	≈4.1	2297.98	(6$^-$)	1882.70	(5$^-$)	D+Q	−0.9 *+4−8*	
417 *1*		x+3546.8	J+11	x+3129.8	J+10			
420 *1*		5516.6	(16$^-$)	5096.4	(15$^-$)			
422.3 *3*	≈9.5	618.2?	(2$^+$)	195.9	2$^+$			
435.6 *2*	≈2.7	2640.1	(9$^-$)	2204.6	(7$^-$)	Q(+O)	−0.01 *14*	Iγ(435.6)/Iγ(938.5)=40.2 *7*/100.0 *7* in ^{112}Sn(^{12}C,2nγ); Eγ=435.1, Iγ=4.5 in ^{107}Ag(^{19}F,4nγ).
436.6 *3*	≈2.2	1604.19	(5$^+$)	1167.70	(3$^+$)			Iγ(436.6)/Iγ(1035.9)=50.7 *27*/100.0 *19* in ^{112}Sn(^{12}C,2nγ).
437 *1*		3392.3	(10$^-$)	2955.5	(8$^-$)			
(439.9)	<1.6	2141.40	(7$^+$)	1701.52	(8$^+$)			Iγ(439.9)/Iγ(537.3)<38.8/100.0 *20* in ^{112}Sn(^{12}C,2nγ).
445 *1*		x+3991.8	J+12	x+3546.8	J+11			
446 *1*		5962.7	(17$^-$)	5516.6	(16$^-$)			
454 *1*		3117.5	(10$^-$)	2663.53	(8$^-$)			Eγ=455 was shown in decay scheme only in ^{112}Sn(^{12}C,2nγ).
458.8 *3*	≈2.1	2663.53	(8$^-$)	2204.6	(7$^-$)			Iγ(458.8)/Iγ(365.5)=70.7 *11*/100.0 *11* in ^{112}Sn(^{12}C,2nγ).
461 *1*		6424.1	(18$^-$)	5962.7	(17$^-$)			
466 *1*		x+4457.8	J+13	x+3991.8	J+12			
492 *1*		x+4949.8	J+14	x+4457.8	J+13			
504[a] *1*		2204.6	(7$^-$)	1701.52	(8$^+$)			
513.0 *2*	≈74.8	1081.28	(6$^+$)	568.3	(4$^+$)	(Q)		Eγ=512.9, Iγ=61 in ^{107}Ag(^{19}F,4nγ), Eγ=513 in ^{108}Cd(^{16}O,2nγ). Mult.: I(0°)/I(90°)≈1.2 (1974Co36).
514 *1*		3669.1	(11$^-$)	3154.6	(9$^-$)			
522.8 *4*	≈1.2	1604.19	(5$^+$)	1081.28	(6$^+$)			Iγ(522.8)/Iγ(1035.9)=24.4 *11*/100.0 *19* in ^{112}Sn(^{12}C,2nγ).
537.3 *3*	≈4.2	2141.40	(7$^+$)	1604.19	(5$^+$)			
540.7 *3*	≈6.0	3180.8	(11$^-$)	2640.1	(9$^-$)			Eγ=540.3, Iγ=8.5 in ^{107}Ag(^{19}F,4nγ); Eγ=541 *1* (2001Pe21).
547 *1*		x+547.0	J+2	0+x	J			
(549.6)	<0.2	1167.70	(3$^+$)	618.2?	(2$^+$)			Iγ(549.6)/Iγ(917.9)<6.7 in ^{112}Sn(^{12}C,2nγ).
568 *1*		x+835.0	J+3	x+267.0	J+1			
570 *1*		x+1405.2	J+5	x+835.0	J+3			
572 *1*		x+1118.9	J+4	x+547.0	J+2			
583 *1*		3700.5	(12$^-$)	3117.5	(10$^-$)			Eγ=582 was shown in decay scheme only in ^{112}Sn(^{12}C,2nγ).
587.0 *2*	≈6.4	1205.1?	(4$^+$)	618.2?	(2$^+$)			
588 *1*		x+1706.4	J+6	x+1118.9	J+4			
589 *1*		3981.2	(12$^-$)	3392.3	(10$^-$)			
(599.4)	<0.4	1167.70	(3$^+$)	568.3	(4$^+$)			Iγ(599.4)/Iγ(917.9)<14 in ^{112}Sn(^{12}C,2nγ).
620.2 *2*	≈45	1701.52	(8$^+$)	1081.28	(6$^+$)	Q(+O)	−0.02 *5*	Eγ=619.8, Iγ=52 in ^{107}Ag(^{19}F,4nγ), Eγ=621, Iγ≈60 in ^{108}Cd(^{16}O,2nγ).
621 *1*		x+2026.6	J+7	x+1405.2	J+5			
624.9 *2*	≈2.9	2766.3	(9$^+$)	2141.40	(7$^+$)	Q(+O)	0.0 *3*	
646.4 *4*	6.3 *6*	3827.2	(13$^-$)	3180.8	(11$^-$)			Eγ=647 was shown in decay scheme only in ^{112}Sn(^{12}C,2nγ).
656 *1*		4325.2	(13$^-$)	3669.1	(11$^-$)			
664 *1*		x+2369.9	J+8	x+1706.4	J+6			
685.8 *3*	≈1.7	3452.1	(11$^+$)	2766.3	(9$^+$)			

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(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21 (continued)

γ(^{122}Ba) (continued)

E_γ[†]	I_γ[@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[&]	δ[&]	Comments
693.9 *2*	≈24.9	2395.4	(10$^+$)	1701.52	(8$^+$)	Q(+O)	−0.01 *6*	Eγ=693.5, Iγ=34 in ^{107}Ag(^{19}F,4nγ), Eγ=694 in ^{108}Cd(^{16}O,2nγ)).
696 *1*		4396.5	(14$^-$)	3700.5	(12$^-$)			
710 *1*		x+2736.8	J+9	x+2026.6	J+7			
714.4 *2*	≈5.6	3835.6	(14$^+$)	3121.2	(12$^+$)	Q(+O)	−0.09 *12*	Eγ=714.1, Iγ=18 in ^{107}Ag(^{19}F,4nγ).
716 *1*		4697.1	(14$^-$)	3981.2	(12$^-$)			
725.8 *2*	≈11.6	3121.2	(12$^+$)	2395.4	(10$^+$)	Q(+O)	−0.08 *8*	Eγ=725.4, Iγ=22 in ^{107}Ag(^{19}F,4nγ), Eγ=726, Iγ≈40 in ^{108}Cd(^{16}O,2nγ)).
735.9 *3*	≈1.7	4571.6	(16$^+$)	3835.6	(14$^+$)	Q(+O)	−0.15 *26*	Eγ=735.4, Iγ=12 in ^{107}Ag(^{19}F,4nγ); Eγ=745 was shown in decay scheme only in ^{112}Sn(^{12}C,2nγ), but Eγ differs 10 keV from other reactions.
744.8[‡] *4*	5.4[#] *5*	4572.0	(15$^-$)	3827.2	(13$^-$)	(Q)		
760 *1*		x+3129.8	J+10	x+2369.9	J+8			
771 *1*		5096.4	(15$^-$)	4325.2	(13$^-$)			
784 *1*		5180.5	(16$^-$)	4396.5	(14$^-$)			
785.3 *2*	≈2.0	3180.8	(11$^-$)	2395.4	(10$^+$)	D		Iγ(785.3)/Iγ(540.7)=28.5 *9*/100.0 *12* in ^{112}Sn(^{12}C,2nγ); Eγ=784.9, Iγ=2.6 in ^{107}Ag(^{19}F,4nγ). Mult.: from DCO (2001Zh22).
801.6[a] *4*	≈1.1	1882.70	(5$^-$)	1081.28	(6$^+$)			Iγ(801.6)/Iγ(1314.3)=25.5 *12*/100.0 in ^{112}Sn(^{12}C,2nγ).
807.8[‡] *4*	7.4[#] *10*	5379.4	(18$^+$)	4571.6	(16$^+$)			Eγ=808 was shown in decay scheme only in ^{112}Sn(^{12}C,2nγ).
810 *1*		x+3546.8	J+11	x+2736.8	J+9			
820 *1*		5516.6	(16$^-$)	4697.1	(14$^-$)			
824.8[‡] *4*	2.8[#] *3*	5396.8	(17$^-$)	4572.0	(15$^-$)			
854 *1*		6034.5	(18$^-$)	5180.5	(16$^-$)			
862 *1*		x+3991.8	J+12	x+3129.8	J+10			
866 *1*		5962.7	(17$^-$)	5096.4	(15$^-$)			
887.8[‡] *4*	1.2[#] *1*	6284.6	(19$^-$)	5396.8	(17$^-$)			
889.8[‡] *4*	2.3[#] *2*	6269.2	(20$^+$)	5379.4	(18$^+$)			
908 *1*		6424.1	(18$^-$)	5516.6	(16$^-$)			
911 *1*		x+4457.8	J+13	x+3546.8	J+11			
929 *1*		6963.5	(20$^-$)	6034.5	(18$^-$)			
938.5 *2*	≈6.8	2640.1	(9$^-$)	1701.52	(8$^+$)	D+Q	−0.12 *5*	Eγ=938.1, Iγ=7.2 in ^{107}Ag(^{19}F,4nγ).
947 *1*		6909.7	(19$^-$)	5962.7	(17$^-$)			
952 *1*		7236.6	(21$^-$)	6284.6	(19$^-$)			
958 *1*		x+4949.8	J+14	x+3991.8	J+12			
962.1 *2*	≈0.7	2663.53	(8$^-$)	1701.52	(8$^+$)	D(+Q)	+0.0 *13*	Iγ(962.1)/Iγ(365.5)=24.8 *11*/100.0 *11* in ^{112}Sn(^{12}C,2nγ).
971.9 *3*	≈2.5	1167.70	(3$^+$)	195.9	2$^+$			Iγ(level) ≈ 100.
983 *1*		7252.2	(22$^+$)	6269.2	(20$^+$)			
984 *1*		7408.1	(20$^-$)	6424.1	(18$^-$)			
992[a] *1*		2693.5	(6$^-$)	1701.52	(8$^+$)			
1006 *1*		x+5463.9	J+15	x+4457.8	J+13			
1012 *1*		2713.4	(7$^-$)	1701.52	(8$^+$)			
1020 *1*		7929.7	(21$^-$)	6909.7	(19$^-$)			
1020 *1*		7984	(22$^-$)	6963.5	(20$^-$)			
1022 *1*		8258.6	(23$^-$)	7236.6	(21$^-$)			
1035.9 *3*	≈4.4	1604.19	(5$^+$)	568.3	(4$^+$)	D+Q		δ: +3.7 *+22−10* or +0.30 *12*.
1059 *1*		8467.1	(22$^-$)	7408.1	(20$^-$)			

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(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21 (continued)

γ(^{122}Ba) (continued)

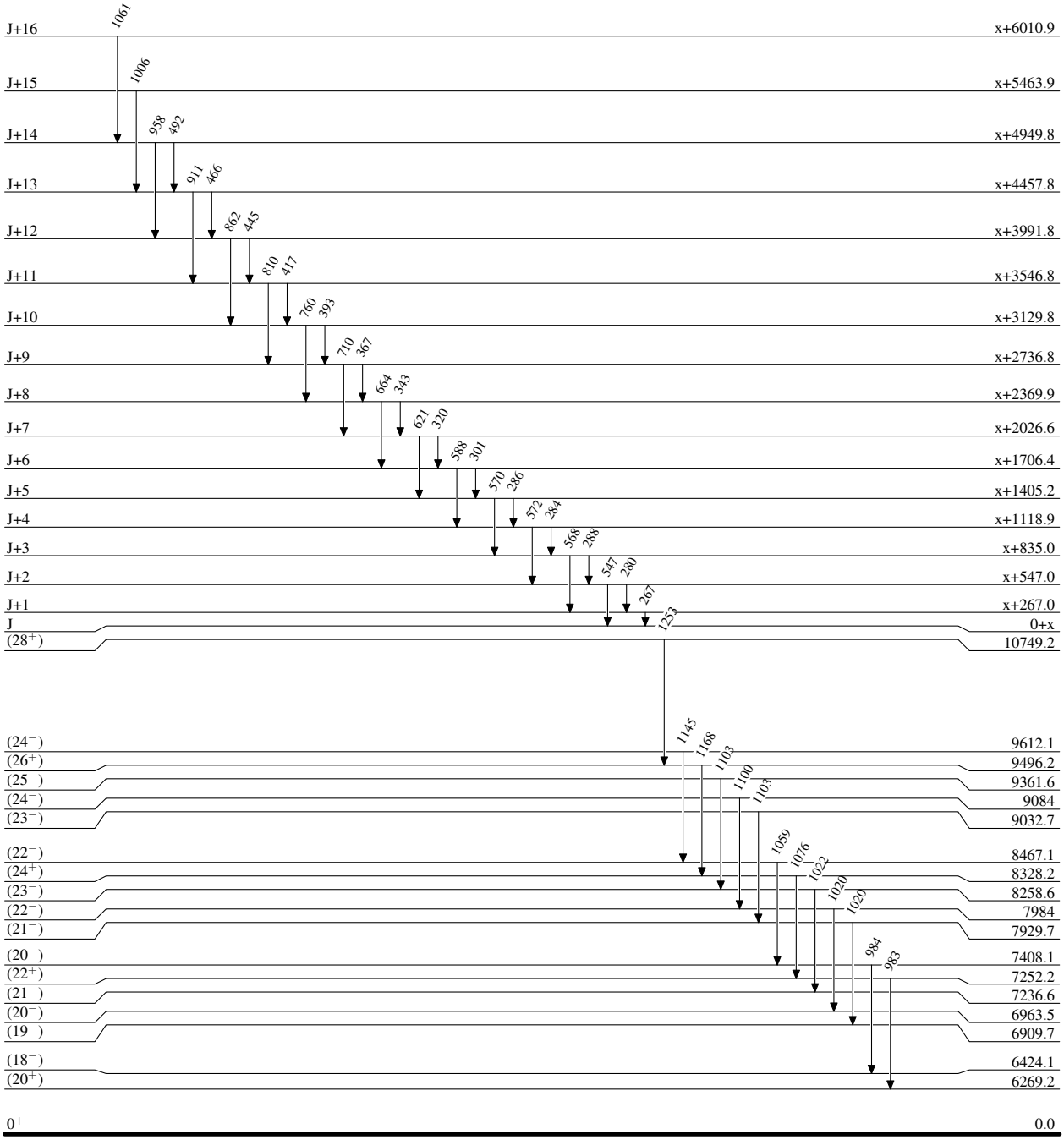
E_γ †	I_γ @	E_i(level)	J_i^π	E_f	J_f^π	Mult. &	δ &	Comments
1060.1 *3*	≈3.3	2141.40	(7^+)	1081.28	(6^+)	D+Q	+0.6 *+4−3*	Iγ(1060.1)/Iγ(537.3)=78.8 *20*/100.0 *20* in ^{112}Sn(^{12}C,2nγ).
1061 *1*		x+6010.9	J+16	x+4949.8	J+14			
1064.6 *4*	≈1.2	2766.3	(9^+)	1701.52	(8^+)			Iγ(1064.6)=42 *4*/Iγ(624.9)=100 *4* in ^{112}Sn(^{12}C,2nγ).
1076 *1*		8328.2	(24^+)	7252.2	(22^+)			
1100 *1*		9084	(24^-)	7984	(22^-)			
1103 *1*		9032.7	(23^-)	7929.7	(21^-)			
1103 *1*		9361.6	(25^-)	8258.6	(23^-)			
1123.6 *6*	≈6.1	2204.6	(7^-)	1081.28	(6^+)	D+Q	−0.11 *5*	Eγ=1122.8, Iγ=5.8 in ^{107}Ag(^{19}F,4nγ).
1145 *1*		9612.1	(24^-)	8467.1	(22^-)			
1168 *1*		9496.2	(26^+)	8328.2	(24^+)			
1216.7 *2*	≈1.3	2297.98	(6^-)	1081.28	(6^+)			Iγ(1216.7)/Iγ(415.2)=35.0 *12*/100.0 in ^{112}Sn(^{12}C,2nγ); Eγ=1122.8, Iγ=5.8 in ^{107}Ag(^{19}F,4nγ).
1253 *1*		10749.2	(28^+)	9496.2	(26^+)			
1314.3 *2*	≈4.2	1882.70	(5^-)	568.3	(4^+)	D(+Q)	−0.10 *10*	Iγ(level)=100.0; Eγ=131.8, Iγ=52 in ^{107}Ag(^{19}F,4nγ).
1612 *1*		2693.5	(6^-)	1081.28	(6^+)			Eγ=1611 was shown in decay scheme only in ^{112}Sn(^{12}C,2nγ).
1625 *1*		2705.0	(6^-)	1081.28	(6^+)			

† Primarily from 2004Fr06, secondary from 2001Zh22 (ΔE=0.4 keV), and thirdly from 2001Pe21 (ΔE=1 keV).
‡ From 2001Zh22; uncertainty of 0.4 keV was assumed (evaluator).
# From 2001Zh22; uncertainty of 10% was assumed (evaluator).
@ Relative to I(196γ)=100 at E(^{12}C)=50 MeV in ^{112}Sn(^{12}C,2nγ) (2004Fr06). γ ratios for the strongest Iγ=100 in ^{112}Sn(^{12}C,2nγ) (2004Fr06) are included in gamma comments in case branching is not 1.0 with additional other Eγ and Iγ information.
& From DCO in 2004Fr06, additional information in 2001Zh22 and 2001Pe21 (no detailed description for each transition).
a Placement of transition in the level scheme is uncertain.

(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21

Level Scheme

Intensities: Relative I_γ



$^{122}_{56}Ba_{66}$

(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21

Level Scheme (continued)

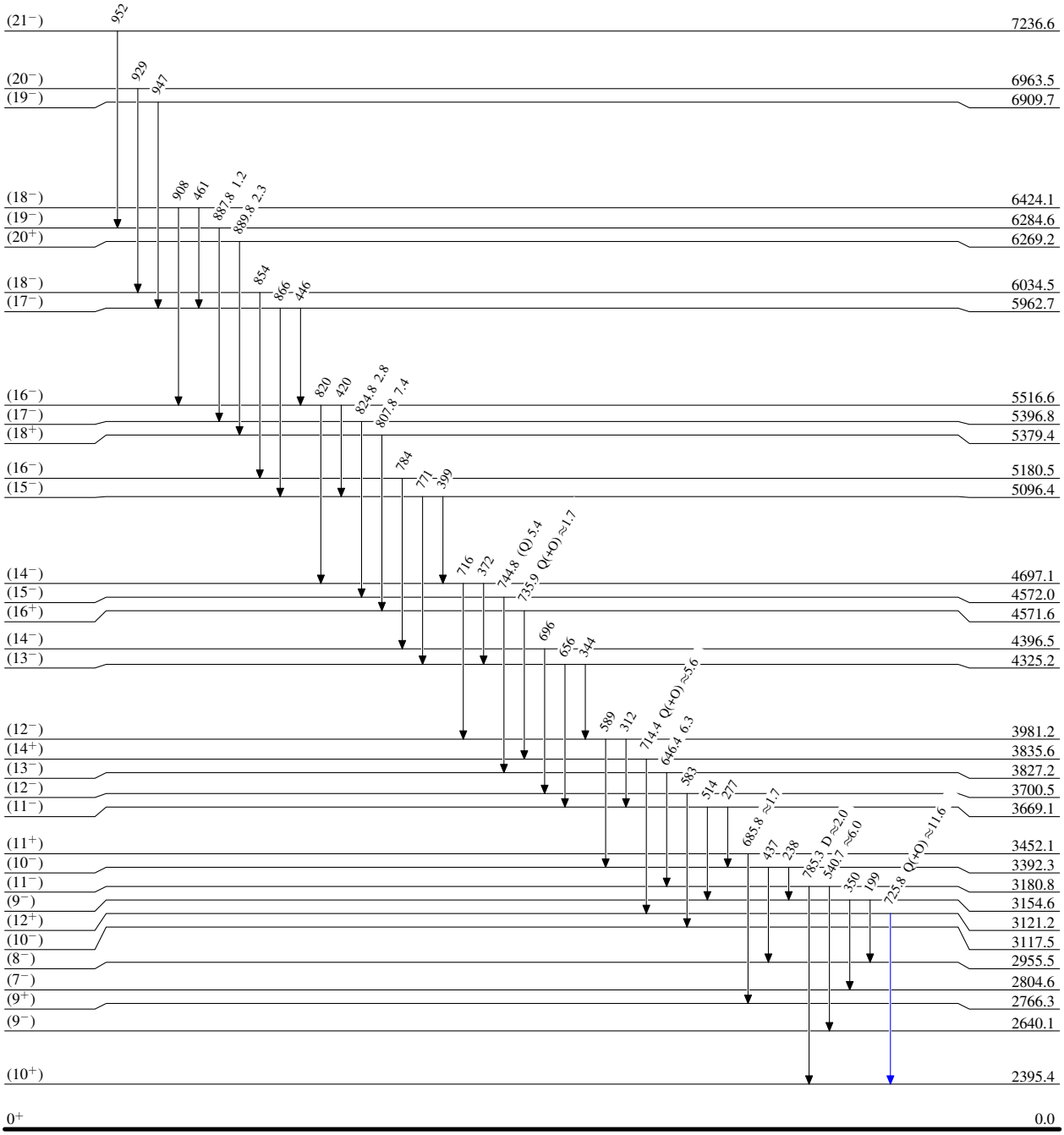
Intensities: Relative I_γ

Legend

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

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

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



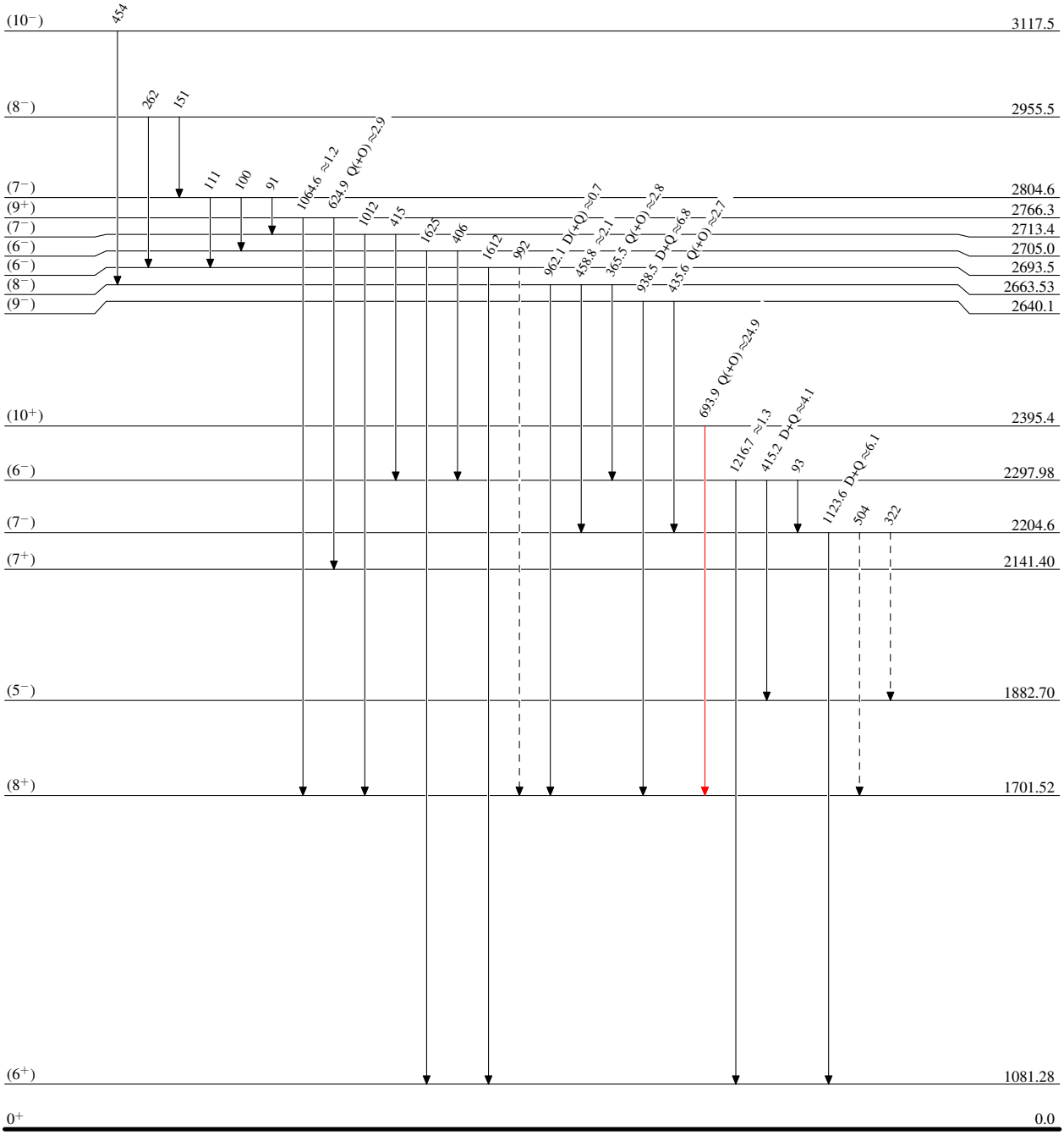
$^{122}_{56}Ba_{66}$

(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21

Level Scheme (continued)

Intensities: Relative I_γ

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



$^{122}_{56}Ba_{66}$

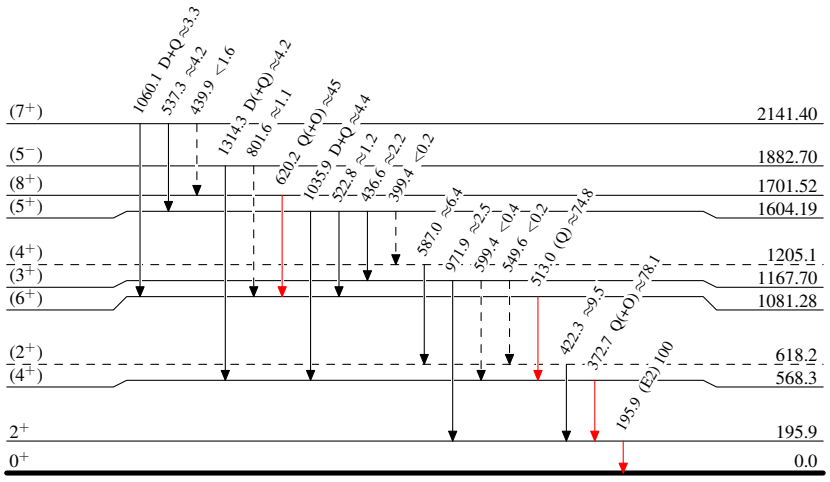
(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21

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)

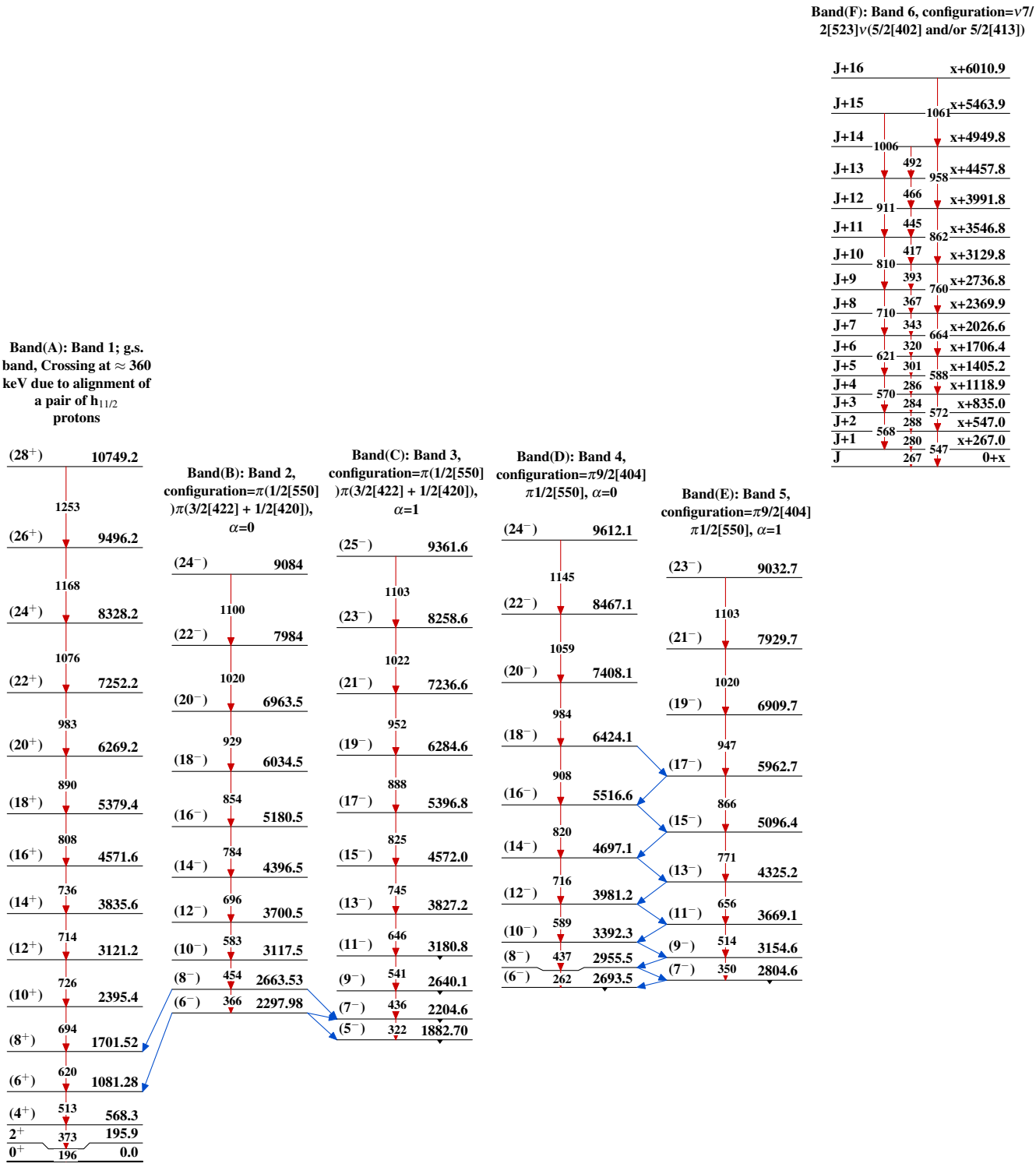
Level Scheme (continued)

Intensities: Relative I_γ

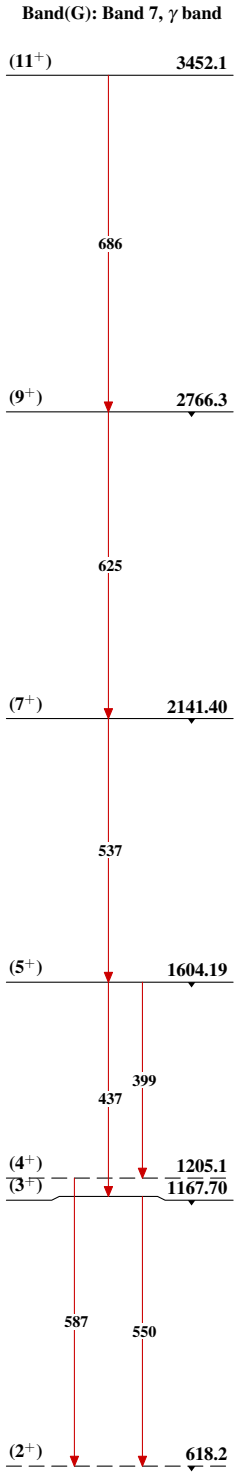


$^{122}_{56}Ba_{66}$

(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21



(HI,xnγ) 2004Fr06,2001Zh22,2001Pe21 (continued)



$^{122}_{56}Ba_{66}$