^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

1995Wi15 (also 1994Sc04, same group): E(α)=28 MeV. Measured γ, $\gamma\gamma$, $\gamma(\theta)$, Linear Polarization with the Compton-suppressed Ge-detector array OSIRIS-cube.

1991ViZX: E(α)=27 MeV. They have measured $T_{1/2}$ by Doppler shift. They have added new levels at 2239, 2514, 2905, 3149, 3362, 3470, 3658, 3685, 3717, 4386 which are confirmed by 1995Wi15.

1979Br07,1980Va13: E=17-33 MeV. Measured: γ, $\alpha\gamma$(t), ce, σ(E,θ), linear polarization of γ semi.

The level scheme is as given by 1995Wi15.

^{114}Sn Levels

E(level)‡	J$^\pi$#	$T_{1/2}$†	Comments
0.0@	0$^+$		
1299.91@ *10*	2$^+$	0.31 ps *10*	
1953.28& *18*	0$^+$		
2156.4 *5*			
2187.64@ *13*	4$^+$	>1.4 ps	
2238.88& *17*	2$^+$		
2274.92b *13*	3$^-$	1.7 ps *+10−7*	
2453.82 *23*	2$^+$		
2514.93 *16*	3$^+$		
2614.46& *15*	4$^+$	1.4 ps *+14−7*	
2738.4 *5*			
2759.7 *5*			
2765.61 *17*	4$^+$	1.2 ps *5*	
2815.24b *14*	5$^-$	>1.4 ps	
2860.62 *23*	4$^+$		
2905.34 *24*	3$^+$		
2943.7 *5*	2$^+$		
3071.4 *5*			
3087.49b *15*	7$^-$	733 ns *14*	$T_{1/2}$: from $\gamma(\theta)$ (1980Va13).
3100.2 *5*			
3107.2 *5*			
3149.91@ *17*	6$^+$	1.1 ps *3*	
3189.00& *15*	6$^+$	2.2 ps *+6−3*	
3190.52 *16*	8$^-$	0.35 ns *20*	$T_{1/2}$: from $\gamma(\theta)$ (1980Va13).
3207.03 *23*	(2)$^+$		
3225.8 *5*			
3241.7 *5*			
3242.04 *24*	5$^+$		
3244.54 *17*	6$^-$	>1.4 ps	
3297.3 *5*			
3357.03 *23*	(2)$^+$		
3363.15 *17*	6$^-$	1.1 ps *+7−3*	
3364.9 *5*			
3380.2 *5*			
3392.2 *5*			
3393.0 *5*			
3396.2 *5*			
3397.23 *17*	(3,4)$^-$		
3448.9 *5*			
3471.4 *3*	6$^+$	0.5 ps	

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

^{114}Sn Levels (continued)

E(level)‡	Jπ#	$T_{1/2}$†
3478.1 *5*		
3479.1 *5*	(2^+)	
3479.9		
3484.8 *5*		
3487.7 *5*		
3510.94[b] *18*	9^-	>2 ps
3514.5 *5*		
3524.63 *17*	$(2,3,4)^-$	
3560.8 *5*		
3566.61 *17*	7^-	
3610.73 *24*	$5^{(-)}$	
3659.54 *24*	6^+	0.8 ps *+5−3*
3685.24 *25*	6^-	
3698.3 *5*		
3714.1 *5*		
3717.97 *18*	7^-	1.0 ps *+7−4*
3720.3 *5*		
3854.3 *5*		
3855.6 *5*		
3871.45[&] *16*	8^+	1.0 ps *+4−3*
3889.4 *5*		
3971.38 *21*	8^-	
3987.8 *5*		
4040.2 *5*		
4043.24 *25*	5^-	
4046.92[a] *19*	5^-	
4088.85[@] *21*	8^+	
4139.96 *20*	10^+	>0.7 ps
4141.65 *21*	8^-	
4152.5 *5*		
4221.02[a] *20*	6^-	
4262.1 *5*		
4294.0 *5*		
4313.1 *3*	7^+	
4322.1 *5*		
4338.5 *5*		
4394.3 *5*		
4403.1 *5*		
4406.6 *5*		
4428.7 *5*		
4430.1 *5*		
4430.49[a] *17*	7^-	
4434.7 *5*		
4449.4 *5*		
4481.6 *5*		
4488.6 *5*		
4492.1 *5*		
4515.2 *5*		
4527.0 *5*		
4553.4 *4*	8^+	
4568.5 *5*		
4583.9 *5*		
4593.6 *5*		
4613.1 *5*		
4624.1 *4*	7^-	
4650.7 *5*		
4665.0 *3*	9^-	
4669.59[a] *19*	8^-	
4670.3		
4671.3 *4*	10^-	
4672.94[&] *18*	10^+	0.60 ps *18*
4678.7 *5*		
4682.9 *3*	(6^+)	
4683.2 *5*		
4718.0 *5*		
4732.4 *5*		
4736.54 *21*	10^-	
4766.3 *5*		
4766.7 *5*		
4787.8 *5*		
4789.1 *5*		
4805.9 *5*		
4858.8 *5*		
4916.6 *3*	10^-	
4919.50 *19*	9^-	
4923.88[a] *19*	9^-	
4924.5 *5*		
4927.0 *5*		
4932.6 *5*		
4963.6[b] *3*	11^-	0.30 ps *11*
4964.3 *5*		
5014.4 *5*		
5039.4 *5*		
5055.1 *3*	9^-	
5065.5 *5*		
5095.1 *3*	(10^-)	
5103.0 *5*		
5119.9 *5*		
5124.5 *5*		
5182.12 *24*	12^+	0.5 ps *+2−1*
5182.7 *5*		
5191.7 *5*		
5213.8 *4*	$(8,10)^+$	
5214.5[@] *4*	$(10)^+$	
5221.9 *4*	$(11)^-$	
5226.7 *5*		
5233.79[a] *22*	10^-	
5255.2 *4*	$(8,10)^+$	
5280.6 *5*		
5296.6 *5*		
5299.6 *3*	11^+	0.25 ps *11*
5310.9 *3*	$(8,10^+)$	
5349.1 *5*		
5357.5 *3*	$(8,10)^+$	
5372.5 *5*		
5419.6 *5*		
5445.4 *5*		
5468.3 *3*	(12^-)	
5488.3 *3*	$(9,11^-)$	
5500.4 *5*		

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

^{114}Sn Levels (continued)

E(level)‡	Jπ#	$T_{1/2}$†	E(level)‡	Jπ#
5535.6 *5*			6067.9 *5*	
5538.8 *5*	$(9,11)^+$		6131.6 *5*	
5548.36& *24*	12^+	0.67 ps *18*	6132.4 *5*	
5554.29[a] *21*	11^-		6164.4 *5*	
5586.7 *5*			6174.0 *5*	
5597.0 *5*			6175.0 *5*	
5599.5 *5*			6225.7 *5*	
5628.2 *3*	$(8,10^+)$		6266.4 *3*	14^+
5700.0 *3*	$(9,11^-)$		6279.28[a] *25*	13^-
5707.5 *5*			6341.6& *3*	14^+
5735.3 *3*	$(9,11^-)$		6460.4[b] *4*	$(13)^-$
5776.46 *22*	12^+		6496.5 *5*	
5776.9 *5*			6497.7 *4*	$(14)^+$
5801.3 *5*			6520.6 *5*	
5835.2 *3*	$(8,10)^-$		6551.5 *4*	15^+
5857.3 *5*			6552.5 *5*	
5886.8 *5*			6610.7 *5*	
5892.1 *5*			6690.6 *5*	$(13)^-$
5921.20 *24*	13^+	1.4 ps *+14−7*	6716.2[a] *5*	14^-
5922.19[a] *23*	12^-		6725.8 *5*	
5956.4			6926.1 *5*	(16^+)
5974.5 *3*	$(12)^+$		7115.4[a] *5*	
5977.3 *5*			7370.1 *5*	
6001.4 *5*			7377.2 *5*	
6045.9 *3*	14^+	0.5 ps *+4−2*	7608.2[a] *5*	

† From DSA (1991ViZW), unless otherwise noted.
‡ From least-squares fit by evaluators to Eγ′s. Uncertainty of 0.3 keV was assumed, when no Δ(Eγ) is assigned.
# From 1995Wi15 based on γ(θ), γ(pol), systematics of side feedings.
@ Band(A): g.s. band.
& Band(B): $K^\pi=0^+$ band. "Amsterdam" band.
a Band(C): $K^\pi=5^-$ band.
b Band(D): Negative-parity sequence based on 3^-.

γ(^{114}Sn)

A_2, A_4 coefficients from γ(θ) and linear polarization coefficients are primarily from 1995Wi15. 1994Sc04 from the same group as 1995Wi15 list the same values for about 40 gamma rays. A_2, A_4 and POL are also measured in 1980Va13 and their previous paper 1979Br07 for 26 gamma rays.

E_γ†	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	Comments
103.0 *1*	22.47 *9*	3190.52	8^-	3087.49	7^-	M1	B(M1)(W.u.)=0.06 *4* A_2=−0.168 *1*; A_4=+0.016 *1* POL=−0.10 *4*. Additional information 14.
124.7 *2*	0.11 *2*	6045.9	14^+	5921.20	13^+		A_2=−0.2 *1*; A_4=+0.05 *15*
144.7 *2*	0.09 *1*	5921.20	13^+	5776.46	12^+		A_2=−0.1 *1*; A_4=+0.05 *17*
157.1 *1*	0.14 *4*	3244.54	6^-	3087.49	7^-		A_2=−1.0 *2*; A_4=+0.2 *1*
174.1 *1*	0.17 *1*	4221.02	6^-	4046.92	5^-		A_2=−0.80 *6*; A_4=+0.04 *8*

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ[†]	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	Comments
175.5		4488.6		4313.1	7^+			
200.8 *2*	0.65 *1*	2815.24	5^-	2614.46	4^+			A_2=−0.2 *2*; A_4=+0.001 *4* POL=+0.04 *6*. Additional information 7.
203.2		3392.2		3189.00	6^+			
203.2		3714.1		3510.94	9^-			
203.5 *1*	0.13 *1*	3566.61	7^-	3363.15	6^-			A_2=+0.18 *6*; A_4=+0.21 *8*
209.5 *2*	0.08 *1*	4430.49	7^-	4221.02	6^-			A_2=−1.00 *9*; A_4=+0.3 *1*
217.4 *2*	0.09 *1*	4088.85	8^+	3871.45	8^+			A_2=+0.4 *1*; A_4=−0.1 *1*
228.5		5776.9		5548.36	12^+			
239.1 *2*	0.10 *2*	4669.59	8^-	4430.49	7^-	M1+E2	−0.6 *+4−27*	A_2=−0.63 *3*; A_4=+0.13 *5* POL=+0.1 *2*.
244.9		3855.6		3610.73	$5^{(-)}$			
246.3		3396.2		3149.91	6^+			
246.5		5468.3	(12^-)	5221.9	$(11)^-$			
250.7 *2*	0.12 *1*	2765.61	4^+	2514.93	3^+	M1+E2	−0.1 *+1−42*	A_2=−0.23 *6*; A_4=0.00 *8* B(M1)(W.u.)=0.06 *3*; B(E2)(W.u.)=8 *+16−8* POL=−0.2 *3*.
254.3 *2*	0.10 *1*	4923.88	9^-	4669.59	8^-	M1+E2	−0.03 *+8−19*	A_2=−0.35 *8*; A_4=0.0 *1* POL=−0.3 *2*.
263.0		5226.7		4963.6	11^-			
272.3 *1*	45.4 *1*	3087.49	7^-	2815.24	5^-	E2		A_2=+0.038 *1*; A_4=−0.004 *1* α(K)exp=39×10^{-3} *6* B(E2)(W.u.)=0.0157 *3* POL=+0.04 *1*. Additional information 10. δ: δ(M3/E2)=+0.11 *+7−6*. From RUL, δ<0.003.
285.0		3100.2		2815.24	5^-			
285.1		6551.5	15^+	6266.4	14^+			
285.6		2238.88	2^+	1953.28	0^+			
292.0		3107.2		2815.24	5^-			
292.7		3380.2		3087.49	7^-			
309.0		5857.3		5548.36	12^+			
309.9 *3*	0.09 *1*	5233.79	10^-	4923.88	9^-			A_2=−0.76 *8*; A_4=+0.1 *1*
314.4 *3*	0.09 *1*	5233.79	10^-	4919.50	9^-	M1+E2	−0.12 *+8−16*	A_2=−0.52 *8*; A_4=+0.1 *1* POL=−0.2 *1*.
316.2		3560.8		3244.54	6^-			
320.4 *2*	22.40 *6*	3510.94	9^-	3190.52	8^-	M1+E2	+0.134 *1*	α(K)exp=23×10^{-3} *4* A_2=−0.022 *1*; A_4=+0.007 *1* B(M1)(W.u.)<0.33; B(E2)(W.u.)<46 POL=−0.53 *3*. Additional information 16.
320.5		3225.8		2905.34	3^+			
320.5		5554.29	11^-	5233.79	10^-			
321.6		3471.4	6^+	3149.91	6^+			
322.1		3566.61	7^-	3244.54	6^-			
327.3 *1*	1.41 *3*	2514.93	3^+	2187.64	4^+	M1+E2	+0.02 *+2−1*	A_2=−0.136 *6*; A_4=+0.016 *8* POL=−0.14 *2*.
334.7 *1*	2.13 *1*	3149.91	6^+	2815.24	5^-	E1+M2	−0.02 *1*	A_2=−0.240 *4*; A_4=−0.002 *6* B(E1)(W.u.)=0.0037 *10*; B(M2)(W.u.)=6.E+1 *+7−6* POL=+0.28 *2*.
339.5		2614.46	4^+	2274.92	3^-			
345.2 *2*	0.35 *1*	6266.4	14^+	5921.20	13^+	M1+E2	+0.21 *+3−2*	A_2=+0.12 *2*; A_4=+0.03 *3* POL=−0.55 *7*.
354.8 *2*	0.23 *1*	3717.97	7^-	3363.15	6^-	M1+E2	−0.06 *+4−6*	A_2=−0.32 *3*; A_4=+0.04 *4*

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ †	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	δ‡	Comments
								B(M1)(W.u.)=0.06 *5*; B(E2)(W.u.)=1.4 *+22−4* POL=−0.24 *6*.
357.1 *2*	0.08 *1*	6279.28	13^-	5922.19	12^-	M1+E2	−2.5 *+24−14*	A_2=−0.4 *1*; A_4=−0.1 *2* POL=0.0 *1*.
367.9 *2*	0.07 *1*	5922.19	12^-	5554.29	11^-	M1+E2	−0.4 *+2−6*	A_2=−1.0 *1*; A_4=+0.12 *9* POL=0.0 *1*.
374.6		6926.1	(16^+)	6551.5	15^+			
375.5 *2*	0.20 *2*	2614.46	4^+	2238.88	2^+	E2		A_2=+0.22 *7*; A_4=−0.09 *9* α(K)exp=16×10^{-3} *3* B(E2)(W.u.)=20 *+21−20* α(K)exp: for 375.2 and 376.2. Additional information 4. POL=−0.22 *5* for 375.2+376.2 (1979Br07).
376.2 *2*	1.73 *1*	3566.61	7^-	3190.52	8^-	M1+E2	+0.05 *2*	A_2=−0.181 *6*; A_4=−0.011 *9* POL=−0.16 *2*. Additional information 17.
383.6 *2*	0.07 *1*	4430.49	7^-	4046.92	5^-	E2		A_2=+0.2 *1*; A_4=−0.3 *1* POL=+0.4 *1*.
390.4		2905.34	3^+	2514.93	3^+			
404.8 *3*	0.23 *1*	3971.38	8^-	3566.61	7^-	M1+E2	−0.13 *+6−8*	A_2=−0.46 *4*; A_4=+0.07 *5* POL=−0.17 *6*.
423.4 *2*	0.60 *1*	3189.00	6^+	2765.61	4^+	E2		A_2=+0.33 *2*; A_4=−0.07 *2* α(K)exp=8×10^{-3} *3* B(E2)(W.u.)=20 *6* POL=+0.65 *5*. Additional information 11.
426.8 *2*	0.29 *1*	2614.46	4^+	2187.64	4^+	M1+E2	−0.24 *+6−5*	A_2=+0.31 *3*; A_4=−0.01 *4* B(M1)(W.u.)=0.003 *3*; B(E2)(W.u.)=0.9 *+10−9* POL=+1.08 *8*.
429.3 *2*	2.75 *2*	3244.54	6^-	2815.24	5^-	M1+E2	+0.161 *+4−3*	A_2=+0.01 *1*; A_4=+0.006 *1* α(K)exp=9×10^{-3} *3* B(M1)(W.u.)<0.18; B(E2)(W.u.)<21 POL=−0.46 *3*. Additional information 15.
436.9		6716.2	14^-	6279.28	13^-			
448.6		4669.59	8^-	4221.02	6^-			
449.3		4670.3		4221.02	6^-			
451.8 *2*	0.24 *1*	6497.7	$(14)^+$	6045.9	14^+	M1+E2	−0.3 *+4−2*	A_2=+0.30 *4*; A_4=−0.09 *6* POL=+0.58 *7*.
460.4 *3*	0.23 *1*	3971.38	8^-	3510.94	9^-	M1+E2	−0.11 *3*	A_2=−0.02 *4*; A_4=+0.05 *5* POL=−0.36 *9*.
473.5		3717.97	7^-	3244.54	6^-			
490.7		2765.61	4^+	2274.92	3^-			
492.8		4805.9		4313.1	7^+			
493.5		4923.88	9^-	4430.49	7^-			
504.7 *2*	0.42 *3*	5468.3	(12^-)	4963.6	11^-			A_2=+0.35 *3*; A_4=+0.03 *4*
505.5 *3*	0.82 *3*	6551.5	15^+	6045.9	14^+	M1+E2	+0.07 *2*	A_2=−0.09 *3*; A_4=+0.001 *20* POL=−0.21 *3*.
512.1		5065.5		4553.4	8^+			
522.3 *3*	0.09 *1*	4088.85	8^+	3566.61	7^-	E1		A_2=−0.4 *1*; A_4=+0.1 *2* POL=−0.03 *22*. δ: δ(M2/E1)=+2.1 *+48−14*.
527.4 *2*	0.88 *2*	3717.97	7^-	3190.52	8^-	M1+E2	−0.05 *2*	A_2=−0.08 *2*; A_4=−0.02 *2* B(M1)(W.u.)=0.08 *6*; B(E2)(W.u.)=0.5 *5* POL=−0.27 *3*.
540.3 *1*	6.09 *3*	2815.24	5^-	2274.92	3^-	E2		A_2=+0.050 *2*; A_4=−0.036 *3*

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ †	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	δ‡	Comments
								α(K)exp=4.3×10^{-3} *8* B(E2)(W.u.)<25 POL=+0.14 *1*. Additional information 8. δ: δ(M3/E2)=−0.29 *+7−6*.
547.9 *3*	2.44 *2*	3363.15	6$^-$	2815.24	5$^-$	M1+E2	−0.08 *2*	A_2=−0.345 *5*; A_4=+0.012 *7* B(M1)(W.u.)=0.12 *8*; B(E2)(W.u.)=2.0 *17* POL=−0.23 *2*.
549.7		3364.9		2815.24	5$^-$			
550.8		2738.4		2187.64	4$^+$			
557.0		3854.3		3297.3				
557.3		4428.7		3871.45	8$^+$			
564.2 *3*	0.37 *2*	5233.79	10$^-$	4669.59	8$^-$			A_2=+0.12 *3*; A_4=−0.14 *5* POL=+0.19 *6*.
573.9		3479.1	(2$^+$)	2905.34	3$^+$			
574.5 *1*	13.46 *5*	3189.00	6$^+$	2614.46	4$^+$	E2		A_2=+0.321 *2*; A_4=−0.093 *2* α(K)exp=4.9×10^{-3} *10* B(E2)(W.u.)=1.0×10^2 *3* POL=+0.55 *3*. Additional information 12.
574.6		5801.3		5226.7				
577.9 *3*	0.87 *2*	4088.85	8$^+$	3510.94	9$^-$	E1		A_2=−0.14 *3*; A_4=+0.002 *10* POL=+0.28 *2*. δ: δ(M2/E1)=−0.04 *1*.
597.1		4568.5		3971.38	8$^-$			
610.2		4481.6		3871.45	8$^+$			
610.3		4221.02	6$^-$	3610.73	5$^{(-)}$			
621.6 *3*	0.19 *2*	5921.20	13$^+$	5299.6	11$^+$	E2		A_2=+0.21 *7*; A_4=−0.1 *1* B(E2)(W.u.)=19 *+20−19* POL=+0.33 *7*. δ: δ(M3/E2)=−0.1 *1*.
627.6 *2*	57.8 *2*	2815.24	5$^-$	2187.64	4$^+$	E1		A_2=−0.076 *1*; A_4=+0.009 *1* α(K)exp=1.4×10^{-3} *3* B(E1)(W.u.)<0.00075 POL=+0.12 *1*. Additional information 9. δ: δ(M2/E1)=+0.02 *1*.
629.0 *1*	8.56 *4*	4139.96	10$^+$	3510.94	9$^-$	E1		A_2=−0.195 *3*; A_4=−0.009 *4* α(K)exp=1.7×10^{-3} *7* B(E1)(W.u.)<0.0017 POL=+0.27 *2*. Additional information 19.
629.9		5280.6		4650.7				
630.4		5554.29	11$^-$	4923.88	9$^-$			
630.5		3717.97	7$^-$	3087.49	7$^-$			
634.9 *2*	0.18 *1*	5554.29	11$^-$	4919.50	9$^-$	E2		A_2=+0.35 *5*; A_4=+0.01 *7* POL=+0.48 *4*.
653.4		1953.28	0$^+$	1299.91	2$^+$			
654.6		3393.0		2738.4				
659.7		5586.7		4927.0				
668.7		2943.7	2$^+$	2274.92	3$^-$			
674.3		5103.0		4428.7				
675.3		4040.2		3364.9				
682.4 *1*	12.50 *5*	3871.45	8$^+$	3189.00	6$^+$	E2		α(K)exp=3.2×10^{-3} *5* A_2=+0.336 *2*; A_4=−0.098 *2*

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ [†]	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult. [‡]	δ [‡]	Comments
								B(E2)(W.u.)=1.2×10^2 *5* POL=+0.58 *4*. Additional information 18.
688.4 *2*	0.27 *2*	5922.19	12$^-$	5233.79	10$^-$	E2		A_2=+0.37 *4*; A_4=−0.19 *6* POL=+0.84 *6*.
696.7		5977.3		5280.6				
705.6		6174.0		5468.3	(12$^-$)			
717.6 *2*	0.44 *2*	2905.34	3$^+$	2187.64	4$^+$	M1+E2	−0.7 *+2−4*	A_2=+0.13 *3*; A_4=+0.01 *4* POL=−0.10 *4*.
725.0 *2*	0.33 *2*	6279.28	13$^-$	5554.29	11$^-$	E2		A_2=+0.22 *3*; A_4=−0.13 *4* POL=+0.71 *7*.
730.8		6279.28	13$^-$	5548.36	12$^+$			
731.8 *2*	0.35 *1*	5468.3	(12$^-$)	4736.54	10$^-$	(E2)		A_2=+0.26 *3*; A_4=−0.09 *5* POL=+0.90 *9*.
739.1 *2*	1.04 *2*	5921.20	13$^+$	5182.12	12$^+$	M1+E2	+1.4 *1*	A_2=+0.55 *1*; A_4=+0.11 *2* B(M1)(W.u.)=0.010 *10*; B(E2)(W.u.)=3.E+1 *3* POL=−0.52 *5*. Additional information 25. POL=+0.4 *2* (1980Va13); sign is in conflict.
739.5		3889.4		3149.91	6$^+$			
743.2		3987.8		3244.54	6$^-$			
748.5		6725.8		5977.3				
751.4 *2*	0.81 *2*	3566.61	7$^-$	2815.24	5$^-$	E2		A_2=+0.21 *2*; A_4=−0.08 *3* POL=+0.35 *3*. δ: δ(M3/E2)=−0.07 *7*.
778.5 *2*	0.17 *2*	4141.65	8$^-$	3363.15	6$^-$	E2		A_2=+0.3 *1*; A_4=−0.1 *1* POL=+0.2 *3*.
780.8 *3*	0.47 *2*	3971.38	8$^-$	3190.52	8$^-$	M1+E2	+0.1 *+4−3*	A_2=+0.17 *3*; A_4=−0.11 *4* POL=+0.17 *6*. δ: δ(E2/M1)=+0.1 *+4−3*.
789.1		5892.1		5103.0				
792.6		4932.6		4139.96	10$^+$			
793.3 *2*	0.49 *2*	6341.6	14$^+$	5548.36	12$^+$	E2		A_2=+0.3 *2*; A_4=−0.1 *1* POL=+0.53 *8*.
794.0		6716.2	14$^-$	5922.19	12$^-$			
801.5 *1*	7.04 *3*	4672.94	10$^+$	3871.45	8$^+$	E2		α(K)exp=2.3×10^{-3} *4* A_2=+0.319 *3*; A_4=−0.106 *4* B(E2)(W.u.)=9.E+1 *3* POL=+0.53 *4*. Additional information 20.
818.6		7370.1		6551.5	15$^+$			
836.1		7115.4		6279.28	13$^-$			
856.5		2156.4		1299.91	2$^+$			
863.8 *2*	0.98 *2*	6045.9	14$^+$	5182.12	12$^+$	E2		A_2=+0.31 *1*; A_4=−0.12 *2* B(E2)(W.u.)=6.E+1 *6* POL=+0.59 *5*. Additional information 26. δ: δ(M3/E2)=−0.06 *+4−3*.
867.5 *3*	0.26 *2*	5538.8	(9,11)$^+$	4671.3	10$^-$	E1		A_2=−0.38 *4*; A_4=+0.03 *6* δ: δ(M2/E1)=0.00 *3*. POL=+0.45 *7*.
870.0 *2*	0.63 *2*	3685.24	6$^-$	2815.24	5$^-$	M1+E2	−0.13 *+4−5*	A_2=−0.38 *2*; A_4=+0.04 *3* POL=−0.16 *4*.
875.4		6175.0		5299.6	11$^+$			
875.5 *2*	2.37 *2*	5548.36	12$^+$	4672.94	10$^+$	E2		α(K)exp=1.7×10^{-3} *5* A_2=+0.310 *6*; A_4=−0.106 *8*

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ[†]	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	Comments
								B(E2)(W.u.)=50 *14* POL=+0.54 *4*. Additional information 24.
880.2		6926.1	(16^+)	6045.9	14^+			
880.7		7377.2		6496.5				
881.3 *2*	0.25 *2*	5554.29	11^-	4672.94	10^+	E1		A_2=−0.23 *6*; A_4=0.00 *3* POL=+0.50 *6*.
883.9 *3*	1.58 *2*	3971.38	8^-	3087.49	7^-	M1+E2	+0.45 *+6−5*	A_2=+0.252 *8*; A_4=+0.08 *1* POL=−0.38 *4*.
887.7 *1*	68.6 *2*	2187.64	4^+	1299.91	2^+	E2		A_2=+0.131 *1*; A_4=−0.024 *1* B(E2)(W.u.)<22 POL=+0.18 *1*. Additional information 2.
892.0		5445.4		4553.4	8^+			
892.0		7608.2		6716.2	14^-			
895.7		4406.6		3510.94	9^-			
899.9		4262.1		3363.15	6^-			
900.0		3514.5		2614.46	4^+			
902.7 *2*	0.64 *2*	3717.97	7^-	2815.24	5^-	E2		A_2=+0.36 *2*; A_4=−0.12 *3* B(E2)(W.u.)=11 *8* POL=+0.42 *4*.
923.8		4434.7		3510.94	9^-			
928.2		5599.5		4670.3				
939.0 *2*	0.69 *2*	2238.88	2^+	1299.91	2^+	M1+E2	−1.2 *+4−11*	A_2=−0.10 *2*; A_4=−0.01 *2* POL=+0.08 *3*.
939.0 *2*		4088.85	8^+	3149.91	6^+			
948.1		6496.5		5548.36	12^+			
949.5		6131.6		5182.12	12^+			
951.1 *2*	0.40 *2*	4141.65	8^-	3190.52	8^-	M1+E2	+0.6 *+7−9*	A_2=−0.27 *3*; A_4=−0.22 *4* POL=−0.3 *3*.
952.5		4923.88	9^-	3971.38	8^-			
959.0		4322.1		3363.15	6^-			
962.3 *3*	1.92 *2*	3149.91	6^+	2187.64	4^+	E2		A_2=+0.169 *7*; A_4=−0.05 *1* B(E2)(W.u.)=9.0 *25* POL=+0.39 *3*. δ: δ(M3/E2)=−0.19 *+4−3*. From RUL, δ<0.0008.
963.2		3478.1		2514.93	3^+			
966.8		3241.7		2274.92	3^-			
975.0 *1*	8.05 *4*	2274.92	3^-	1299.91	2^+	E1		A_2=−0.110 *2*; A_4=+0.018 *3* α(K)exp=0.4×10^{-3} *2* B(E1)(W.u.)=0.00018 *11* POL=+0.11 *1*. Additional information 3. δ: δ(M2/E1)=−0.03 *2*.
976.5		4221.02	6^-	3244.54	6^-			
982.3		6164.4		5182.12	12^+			
992.9		6175.0		5182.12	12^+			
995.1		3448.9		2453.82	2^+			
1001.3 *2*		4088.85	8^+	3087.49	7^-			
1001.4 *2*	3.15 *3*	3189.00	6^+	2187.64	4^+	E2		A_2=+0.258 *5*; A_4=−0.091 *7* α(K)exp=1.3×10^{-3} *3* B(E2)(W.u.)=1.4 *4* POL=+0.52 *4*. Additional information 13.
1004.1		6552.5		5548.36	12^+			

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ †	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	δ‡	Comments
1023.4 *2*	0.15 *2*	4682.9	(6^+)	3659.54	6^+	M1+E2	+0.6 *3*	A_2=+0.56 *7*; A_4=−0.08 *7* POL=+0.5 *2*.
1027.1 *2*	0.40 *2*	5700.0	$(9,11^-)$	4672.94	10^+	E1		A_2=−0.37 *4*; A_4=0.00 *5* POL=+0.15 *7*.
1031.1		4394.3		3363.15	6^-			
1042.1 *3*	4.50 *3*	5182.12	12^+	4139.96	10^+	E2		A_2=+0.310 *4*; A_4=−0.086 *5* α(K)exp=1.2×10^{-3} *3* B(E2)(W.u.)=28 *12* POL=+0.48 *4*. Additional information 22. δ: δ(M3/E2)=+0.02 *+2−3*.
1047.9		4919.50	9^-	3871.45	8^+			
1049.4		4294.0		3244.54	6^-			
1051.7		5191.7		4139.96	10^+			
1052.4		4923.88	9^-	3871.45	8^+			
1053.0		4924.5		3871.45	8^+			
1054.2		4141.65	8^-	3087.49	7^-			
1054.4 *2*	1.40 *2*	3242.04	5^+	2187.64	4^+	M1+E2	−2.3 *+8−25*	A_2=−0.63 *1*; A_4=+0.12 *1* POL=+0.23 *2*. δ: δ(M2/E1)=−0.13 *2*.
1062.4 *2*	0.31 *2*	5735.3	$(9,11^-)$	4672.94	10^+	E1		A_2=−0.24 *8*; A_4=0.00 *5* POL=+0.38 *8*.
1067.3 *2*	0.13 *2*	4430.49	7^-	3363.15	6^-			A_2=+0.3 *1*; A_4=+0.5 *2*
1071.9		6610.7		5538.8	$(9,11)^+$			
1077.6		4322.1		3244.54	6^-			
1084.3 *3*	0.35 *2*	6266.4	14^+	5182.12	12^+	E2		A_2=+0.24 *4*; A_4=−0.15 *5* POL=+0.6 *3*. δ: δ(M3/E2)=−0.16 *+17−7*.
1092.1		5233.79	10^-	4141.65	8^-			
1093.9		4338.5		3244.54	6^-			
1098.4 *2*	0.66 *2*	4665.0	9^-	3566.61	7^-	E2		A_2=+0.23 *2*; A_4=−0.07 *3* POL=+0.47 *5*.
1103.5 *2*	0.34 *2*	5776.46	12^+	4672.94	10^+	E2		A_2=+0.16 *3*; A_4=−0.02 *5* POL=+0.40 *5*.
1104.2		6067.9		4963.6	11^-			
1109.7		3297.3		2187.64	4^+			
1122.3 *1*	0.36 *2*	3397.23	$(3,4)^-$	2274.92	3^-			A_2=−0.31 *4*; A_4=+0.06 *5* POL=+0.02 *6*.
1125.6 *3*	0.46 *2*	5214.5	$(10)^+$	4088.85	8^+			A_2=+0.19 *3*; A_4=−0.19 *4* POL=+0.44 *6*.
1129.6		4789.1		3659.54	6^+			
1129.9		5801.3		4670.3				
1132.3		5445.4		4313.1	7^+			
1142.4 *3*	0.14 *2*	6690.6	$(13)^-$	5548.36	12^+	E1		A_2=−0.17 *6*; A_4=+0.01 *9* POL=+0.51 *9*.
1152.7 *2*	0.29 *2*	4624.1	7^-	3471.4	6^+	E1		A_2=−0.14 *5*; A_4=+0.04 *7* POL=+0.2 *1*.
1153.9 *2*	0.77 *2*	2453.82	2^+	1299.91	2^+	M1+E2	−2.8 *+18−95*	A_2=−0.08 *2*; A_4=+0.02 *3* POL=+0.02 *4*.
1158.6		4669.59	8^-	3510.94	9^-			
1159.4 *2*	0.58 *4*	6341.6	14^+	5182.12	12^+			A_2=+0.51 *5*; A_4=+0.05 *7*
1159.6 *2*	1.45 *4*	5299.6	11^+	4139.96	10^+	M1+E2	+3.7 *+12−17*	A_2=+0.24 *2*; A_4=+0.28 *2* B(M1)(W.u.)=0.004 *3*; B(E2)(W.u.)=31 *14* POL=−0.09 *2*. Additional information 23.

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ[†]	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	Comments
1160.4		4671.3	10^-	3510.94	9^-			
1163.2 *2*	0.59 *2*	4313.1	7^+	3149.91	6^+	M1+E2	+0.5 *+5−2*	A_2=+0.19 *2*; A_4=+0.16 *3* POL=−0.16 *6*.
1168.3		5597.0		4428.7				
1168.7		6132.4		4963.6	11^-			
1183.6 *2*	0.58 *2*	5055.1	9^-	3871.45	8^+	E1		A_2=−0.18 *2*; A_4=+0.01 *3* POL=+0.42 *5*.
1184.3		5857.3		4672.94	10^+			
1199.7		4766.3		3566.61	7^-			
1205.8 *2*	0.35 *2*	4923.88	9^-	3717.97	7^-	E2		A_2=+0.17 *3*; A_4=−0.02 *5* POL=+0.2 *1*.
1207.0		4718.0		3510.94	9^-			
1207.4		4449.4		3242.04	5^+			
1207.4		5349.1		4141.65	8^-			
1209.9		3484.8		2274.92	3^-			
1210.3		6174.0		4963.6	11^-			
1212.8		3487.7		2274.92	3^-			
1214.1		4403.1		3189.00	6^+			
1225.6 *2*	0.43 *2*	4736.54	10^-	3510.94	9^-	M1+E2	+3.9 *+21−34*	A_2=+0.32 *3*; A_4=+0.28 *4* POL=−0.22 *8*.
1228.0 *2*	0.33 *2*	4043.24	5^-	2815.24	5^-	M1+E2	+0.6 *2*	A_2=+0.36 *4*; A_4=−0.07 *5* POL=+0.20 *8*.
1240.2		3479.1	(2^+)	2238.88	2^+			
1241.0		3479.9		2238.88	2^+			
1241.4 *2*	0.23 *2*	4430.49	7^-	3189.00	6^+			A_2=−0.33 *9*; A_4=+0.1 *1* POL=+0.1 *1*.
1249.7 *1*	0.23 *2*	3524.63	$(2,3,4)^-$	2274.92	3^-			A_2=−0.56 *5*; A_4=−0.28 *7* POL=−0.1 *2*.
1255.7		4766.7		3510.94	9^-			
1262.4		5233.79	10^-	3971.38	8^-			
1270.6		4515.2		3244.54	6^-			
1283.4		5956.4		4672.94	10^+			
1283.8 *3*	1.62 *2*	3471.4	6^+	2187.64	4^+	E2		A_2=+0.274 *8*; A_4=−0.08 *1* B(E2)(W.u.)=9.885 *12* POL=+0.45 *4*. δ: δ(M3/E2)=−0.01 *5*.
1296.4		5014.4		3717.97	7^-			
1299.9 *1*	100.0 *6*	1299.91	2^+	0.0	0^+	E2		A_2=+0.150 *1*; A_4=−0.033 *1* α(K)exp=0.62×10^{-3} *12* B(E2)(W.u.)=15 *5* POL=+0.20 *2*. Additional information 1.
1314.5 *10*	15.6 *1*	2614.46	4^+	1299.91	2^+	E2		α(K)exp=0.5×10^{-3} *2* A_2=+0.285 *2*; A_4=−0.084 *2* B(E2)(W.u.)=3 *3* POL=+0.41 *4*. Additional information 5.
1315.6		6279.28	13^-	4963.6	11^-			
1338.0		4527.0		3189.00	6^+			
1339.3		4583.9		3244.54	6^-			
1343.1		5214.5	$(10)^+$	3871.45	8^+			
1347.8		4858.8		3510.94	9^-			
1353.0 *2*	0.08 *1*	4919.50	9^-	3566.61	7^-			A_2=+0.6 *2*; A_4=0.0 *2*
1387.4		4858.8		3471.4	6^+			

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^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ †	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	δ‡	Comments
1401.1		5372.5		3971.38	8^-			
1403.5 *3*	0.58 *2*	4553.4	8^+	3149.91	6^+	E2		A_2=+0.32 *2*; A_4=−0.10 *3* POL=+0.42 *9*. δ: δ(M3/E2)=+0.05 *+5−7*.
1404.6		4593.6		3189.00	6^+			
1405.7 *2*	0.99 *2*	4916.6	10^-	3510.94	9^-	M1+E2	+0.8 *+46−2*	A_2=+0.29 *1*; A_4=+0.23 *2* POL=−0.17 *4*.
1405.8		4221.02	6^-	2815.24	5^-			
1408.4		4919.50	9^-	3510.94	9^-			
1409.1		5280.6		3871.45	8^+			
1413.0 *2*	0.40 *2*	4923.88	9^-	3510.94	9^-	M1+E2	−0.77 *+11−7*	A_2=+0.01 *3*; A_4=−0.12 *5* POL=+0.26 *8*.
1423.1 *2*	0.65 *2*	3610.73	$5^{(-)}$	2187.64	4^+			A_2=−0.18 *7*; A_4=0.00 *2* POL=+0.15 *4*.
1423.4		3698.3		2274.92	3^-			
1424.1		4613.1		3189.00	6^+			
1424.6		4787.8		3363.15	6^-			
1425.1		4669.59	8^-	3244.54	6^-			
1432.5 *2*		4046.92	5^-	2614.46	4^+			
1445.4		3720.3		2274.92	3^-			
1452.7 *3*	2.73 *3*	4963.6	11^-	3510.94	9^-	E2		B(E2)(W.u.)=9 *4* A_2=+0.322 *7*; A_4=−0.095 *9* POL=+0.44 *4*. Additional information 21.
1459.8		2759.7		1299.91	2^+			
1461.7		4650.7		3189.00	6^+			
1465.7 *2*	2.12 *2*	2765.61	4^+	1299.91	2^+	E2		A_2=+0.260 *7*; A_4=−0.054 *9* B(E2)(W.u.)=2.0 *9* POL=+0.33 *4*. Additional information 6.
1471.9 *2*	1.21 *2*	3659.54	6^+	2187.64	4^+			A_2=+0.25 *1*; A_4=−0.08 *2* POL=+0.41 *5*.
1479.0		4669.59	8^-	3190.52	8^-			
1480.8 *3*	1.70 *2*	4671.3	10^-	3190.52	8^-	E2		A_2=+0.312 *8*; A_4=−0.11 *1* POL=+0.45 *5*. Mult.: δ(M3/E2)=+0.03 *3*.
1487.8		4732.4		3244.54	6^-			
1489.2		6225.7		4736.54	10^-			
1494.2		4683.2		3189.00	6^+			
1496.7 *2*	0.28 *2*	6460.4	$(13)^-$	4963.6	11^-	E2		A_2=+0.27 *4*; A_4=+0.03 *6* POL=+0.3 *1*.
1538.0		4152.5		2614.46	4^+			
1546.0 *2*	1.68 *2*	4736.54	10^-	3190.52	8^-	E2		A_2=+0.306 *8*; A_4=−0.09 *1* POL=+0.44 *5*.
1556.9		6520.6		4963.6	11^-			
1560.7 *2*	1.57 *2*	2860.62	4^+	1299.91	2^+			A_2=+0.184 *9*; A_4=−0.05 *1* POL=+0.35 *4*.
1582.1 *2*	0.25 *2*	4669.59	8^-	3087.49	7^-	M1+E2	+0.7 *+96−3*	A_2=+0.50 *5*; A_4=+0.07 *7* POL=−0.6 *3*.
1584.1 *2*	0.48 *2*	5095.1	(10^-)	3510.94	9^-	M1+E2	+1.8 *+31−11*	A_2=+0.43 *3*; A_4=+0.01 *4* POL=−0.5 *1*.
1601.1		4964.3		3363.15	6^-			
1608.9		5119.9		3510.94	9^-			
1613.5		5124.5		3510.94	9^-			
1614.8		4430.1		2815.24	5^-			
1615.4		4430.49	7^-	2815.24	5^-			

Continued on next page (footnotes at end of table)

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07 (continued)

$\gamma(^{114}Sn)$ (continued)

E_γ †	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	δ‡	Comments
1636.5 *3*	0.24 *2*	5776.46	12^+	4139.96	10^+	E2		A_2=+0.27 *5*; A_4=−0.03 *7* POL=+0.6 *1*. δ: δ(M3/E2)=−0.1 *+5−1*.
1643.8		2943.7	2^+	1299.91	2^+			
1671.7		5182.7		3510.94	9^-			
1676.2		5039.4		3363.15	6^-			
1676.8		4492.1		2815.24	5^-			
1702.8 *3*	0.31 *2*	5213.8	$(8,10)^+$	3510.94	9^-	(E1)		A_2=−0.20 *5*; A_4=−0.003 *79* POL=+0.3 *1*. δ: δ(M2/E1)=+0.01 *+6−10*.
1710.9 *3*	1.16 *2*	5221.9	$(11)^-$	3510.94	9^-	E2		A_2=+0.16 *1*; A_4=−0.16 *2* POL=+0.49 *6*.
1722.8		5233.79	10^-	3510.94	9^-			
1729.0		4919.50	9^-	3190.52	8^-			
1730.2		5095.1	(10^-)	3364.9				
1733.3		4923.88	9^-	3190.52	8^-			
1738.0		4927.0		3189.00	6^+			
1744.2 *3*	0.31 *2*	5255.2	$(8,10)^+$	3510.94	9^-	(E1)		A_2=−0.59 *7*; A_4=+0.12 *9* POL=+0.14 *7*.
1746.8		5886.8		4139.96	10^+			
1771.5		3071.4		1299.91	2^+			
1785.6		5296.6		3510.94	9^-			
1800.0 *2*	0.30 *2*	5310.9	$(8,10^+)$	3510.94	9^-	E1		A_2=−0.22 *4*; A_4=−0.02 *6* POL=+0.3 *1*.
1832.0 *2*	0.23 *2*	4919.50	9^-	3087.49	7^-	E2		A_2=+0.36 *6*; A_4=−0.10 *8* POL=+0.5 *2*.
1834.5 *2*	0.17 *2*	5974.5	$(12)^+$	4139.96	10^+	(E2)		A_2=+0.42 *7*; A_4=−0.2 *1* POL=+0.6 *2*.
1836.4		4923.88	9^-	3087.49	7^-			
1846.5 *2*	0.25 *2*	5357.5	$(8,10)^+$	3510.94	9^-	(E1)		A_2=−0.39 *5*; A_4=+0.12 *7* POL=+0.14 *9*.
1859.3 *2*	0.26 *2*	4046.92	5^-	2187.64	4^+			A_2=−0.34 *5*; A_4=−0.02 *7* POL=+0.2 *1*.
1907.1 *2*	0.25 *2*	3207.03	$(2)^+$	1299.91	2^+	M1+E2	0.0 *1*	A_2=+0.24 *5*; A_4=+0.04 *7* POL=+0.5 *1*.
1925.8		3225.8		1299.91	2^+			
1940.3		4678.7		2738.4				
1977.4 *2*	0.35 *2*	5488.3	$(9,11^-)$	3510.94	9^-			A_2=+0.19 *4*; A_4=−0.18 *6* POL=+0.4 *2*.
1989.4		5500.4		3510.94	9^-			
2023.4		5419.6		3396.2				
2024.6		5535.6		3510.94	9^-			
2057.1 *2*	0.24 *2*	3357.03	$(2)^+$	1299.91	2^+	M1+E2	+0.2 *2*	A_2=+0.39 *4*; A_4=−0.03 *6* POL=+0.4 *1*.
2117.2 *2*	0.15 *2*	5628.2	$(8,10^+)$	3510.94	9^-	E1		A_2=−0.43 *8*; A_4=0.0 *1* POL=+0.6 *2*.
2196.5		5707.5		3510.94	9^-			
2238.9		2238.88	2^+	0.0	0^+			
2324.2 *2*	0.11 *2*	5835.2	$(8,10)^-$	3510.94	9^-			A_2=−0.5 *1*; A_4=+0.2 *1* POL=+0.1 *2*.
2490.4		6001.4		3510.94	9^-			

† Uncertainty of 0.1 to 0.3 keV assigned by evaluators is based on a general statement by 1995Wi15.

‡ From $\gamma(\theta)$ and γ(lin pol) data. Estimated δ(M3/E2) and δ(M2/E1), given under comments, are from 1994Sc04, α(K) exp are from 1979Br07 and 1980Va13.

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme

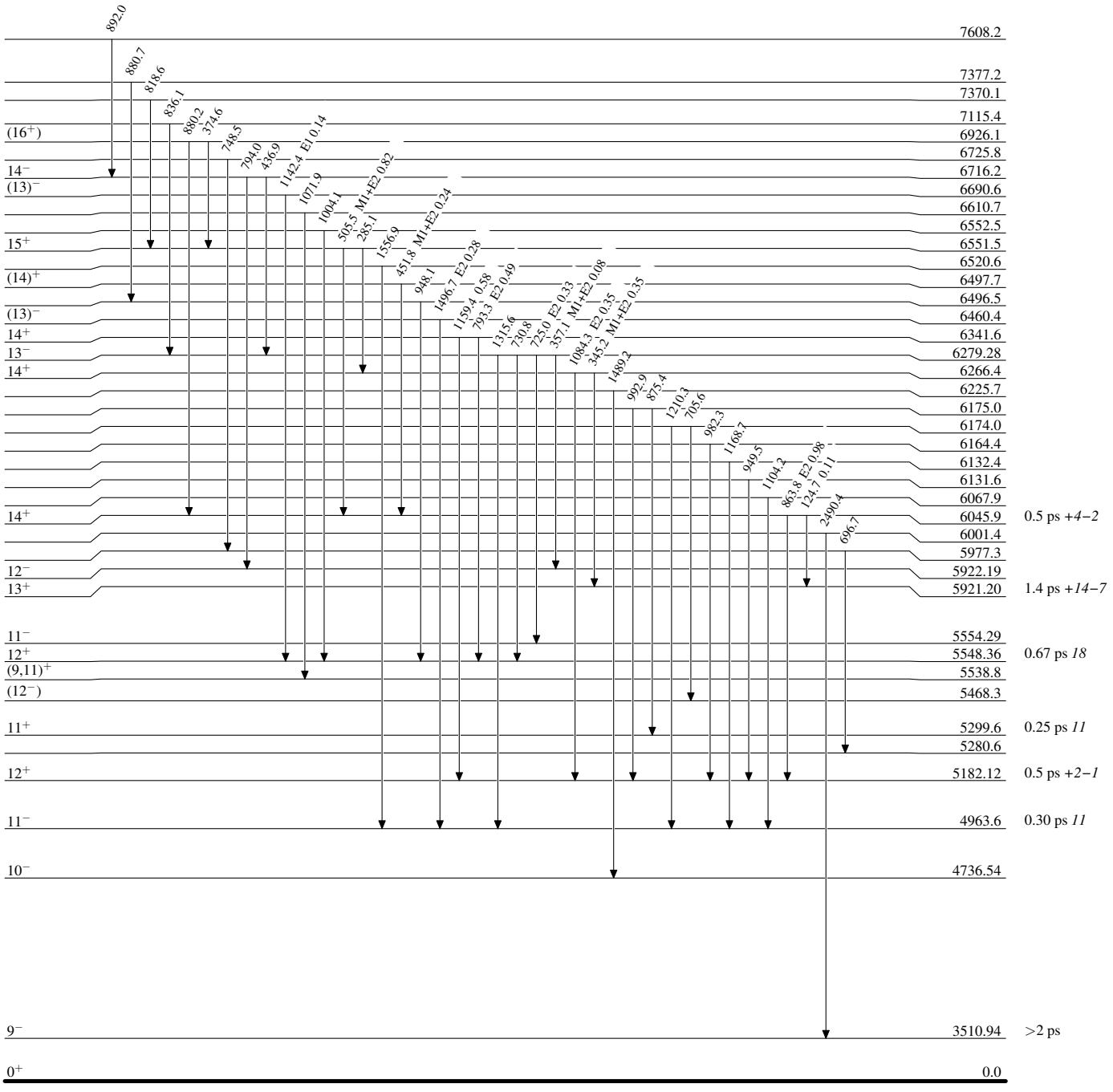
Intensities: Relative I_γ

Legend

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

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

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



$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

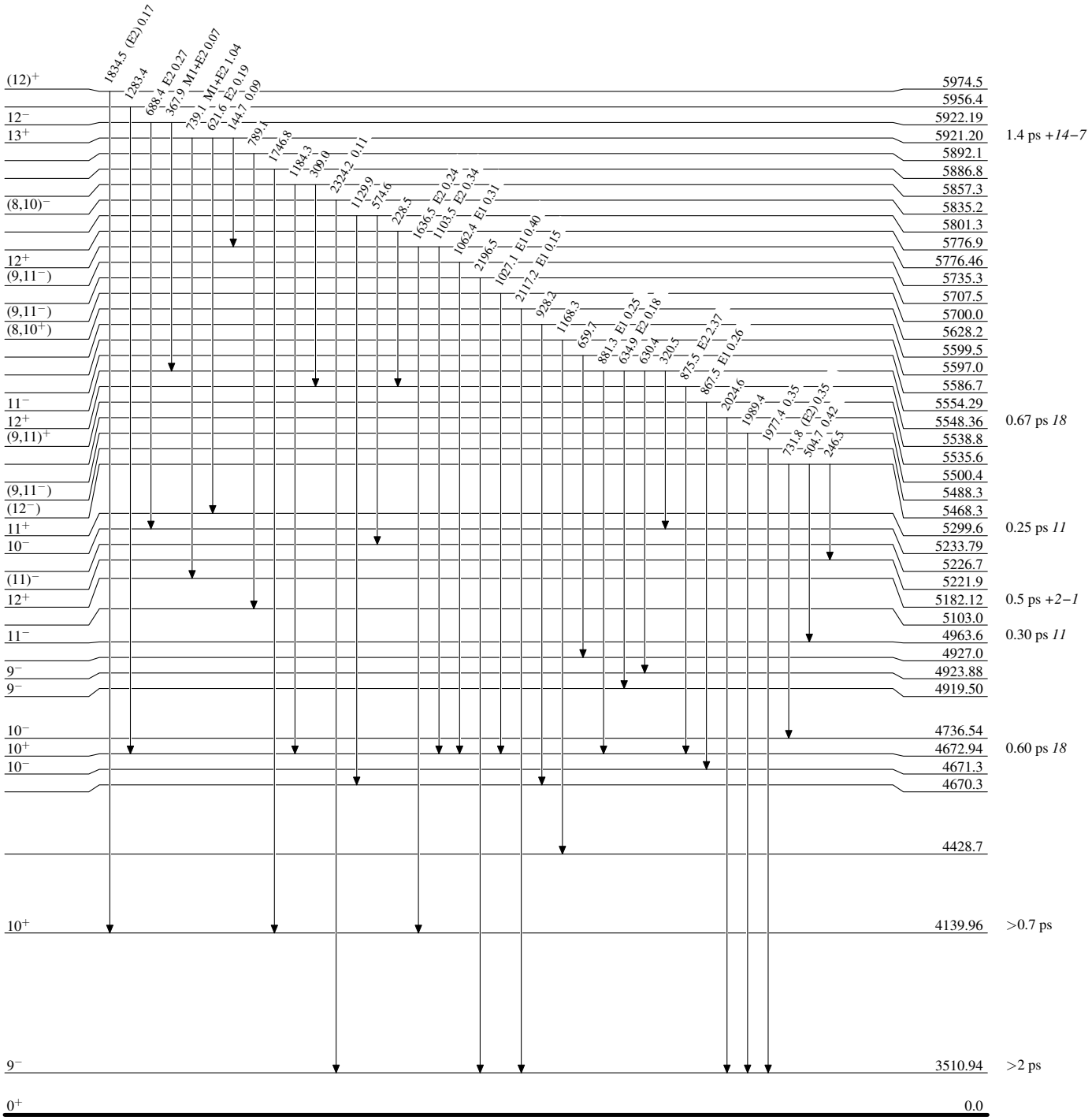
Intensities: Relative I_γ

Legend

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

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

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



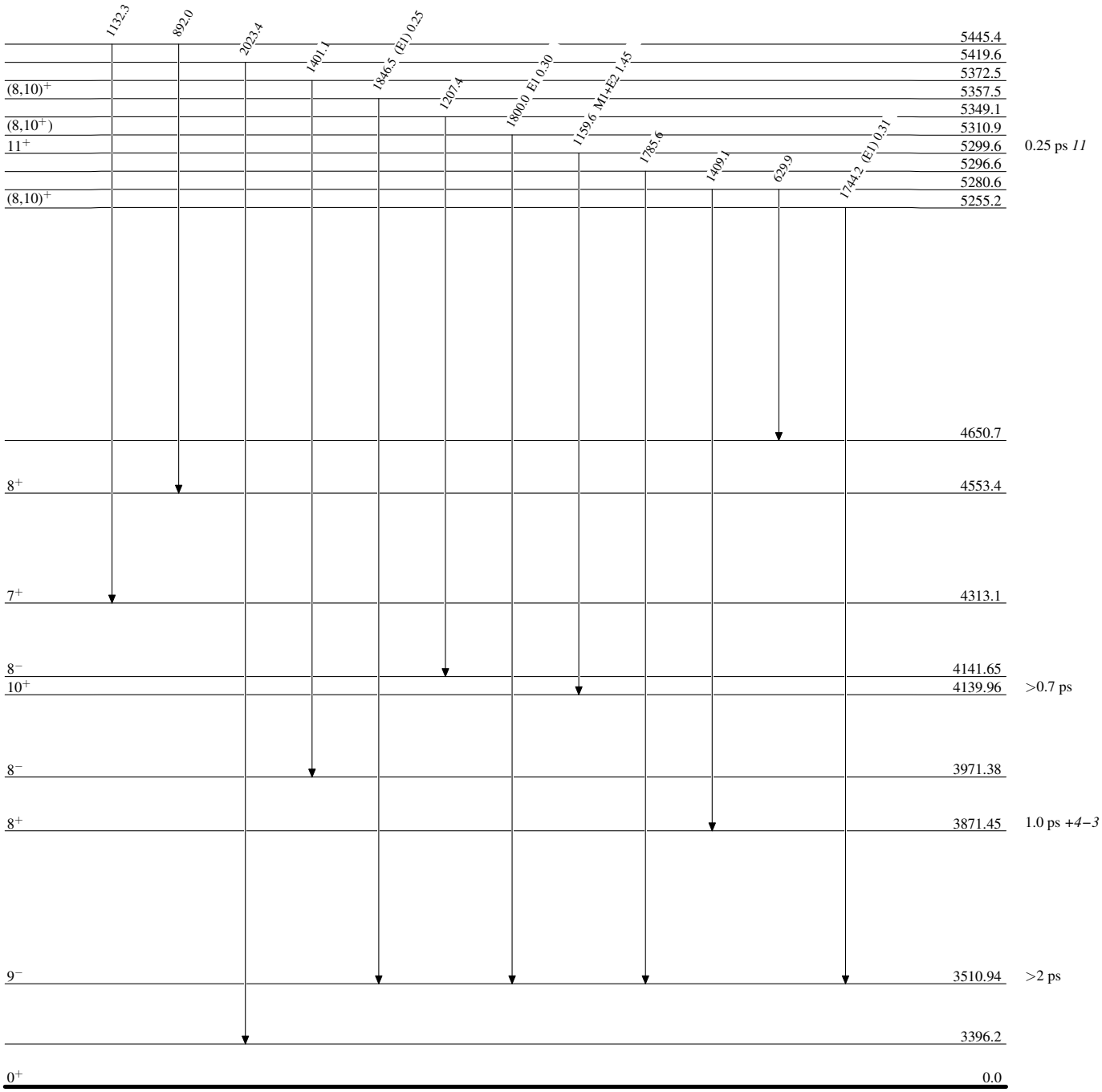
$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ

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

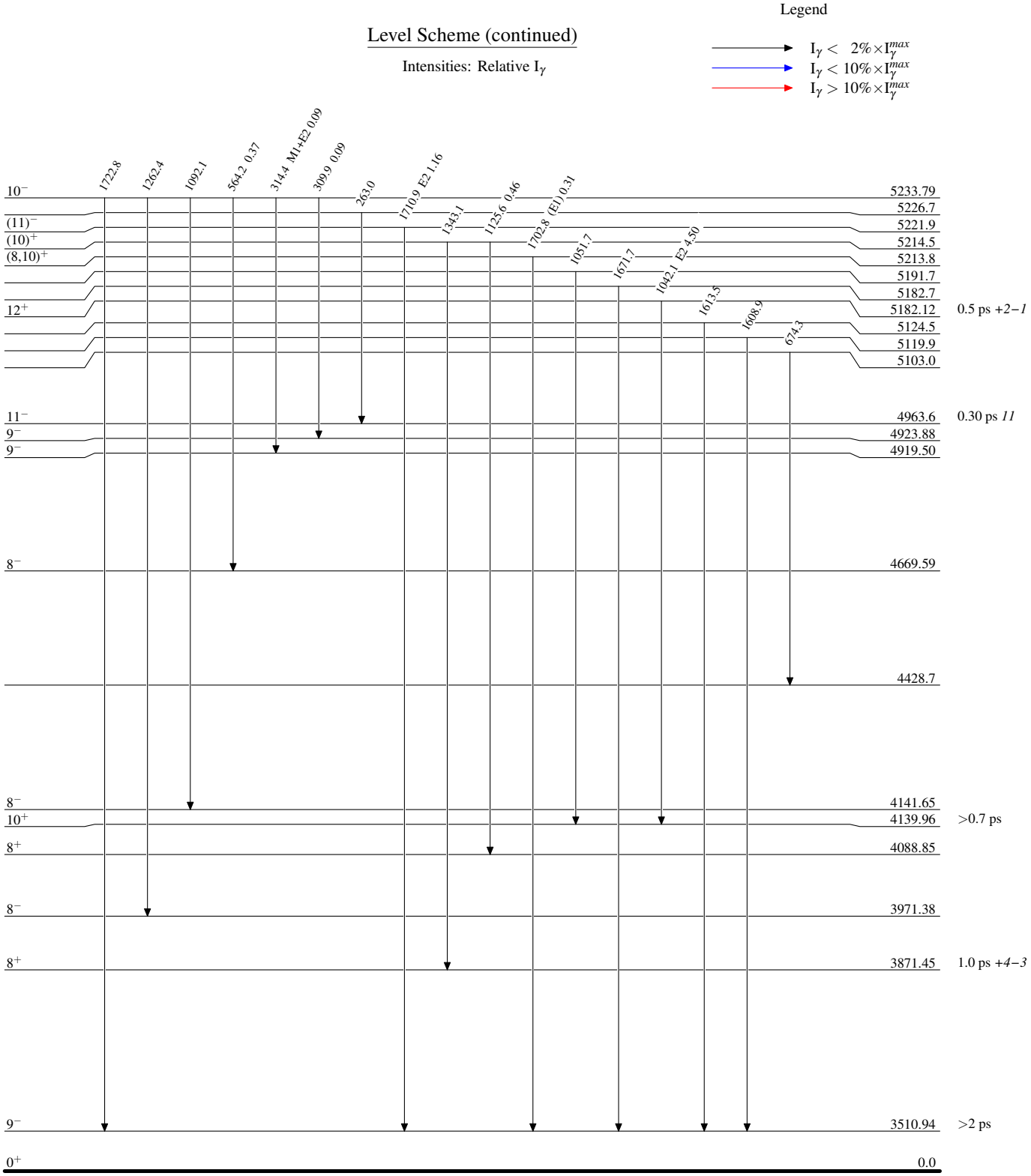


$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ

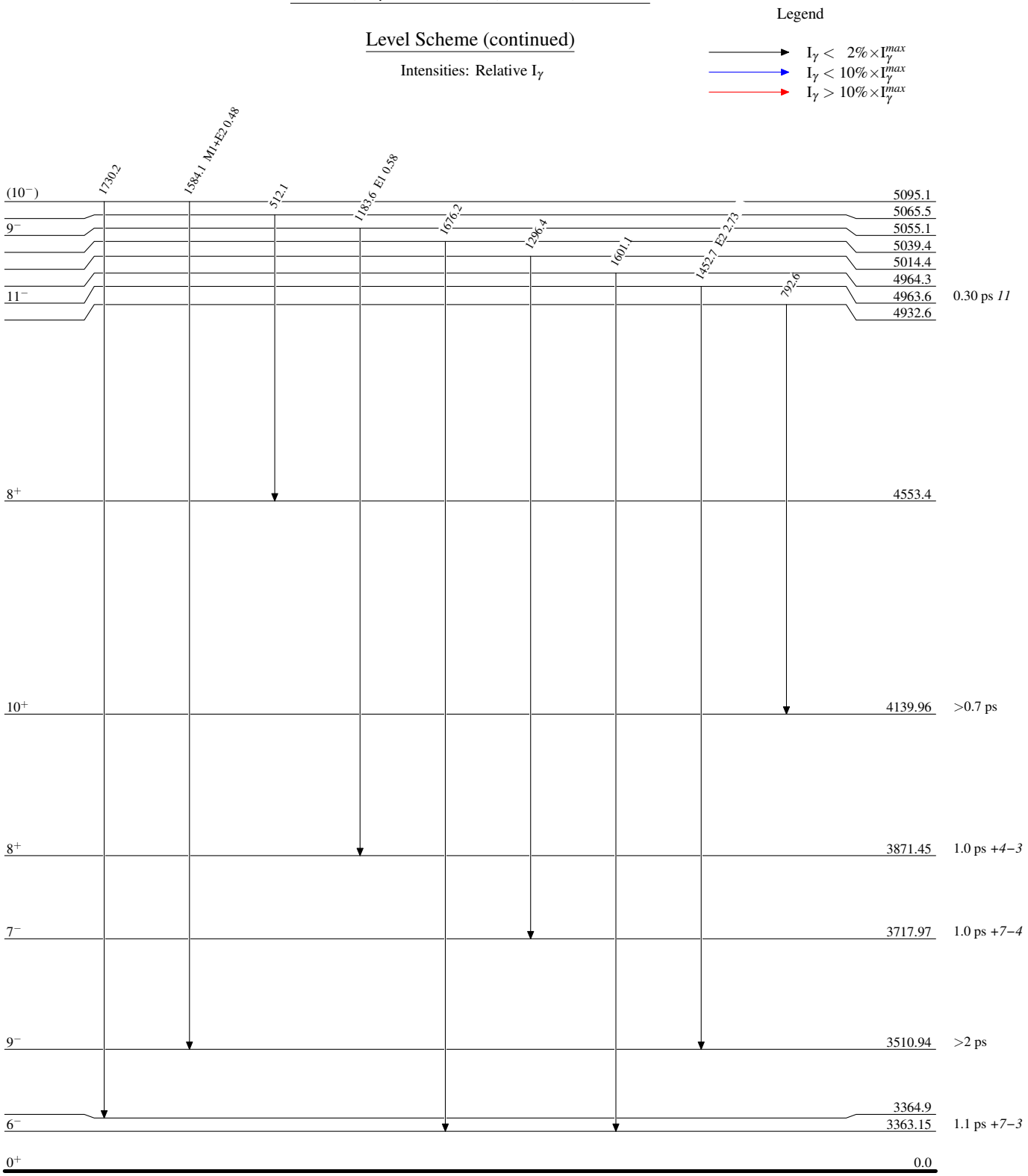


$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ

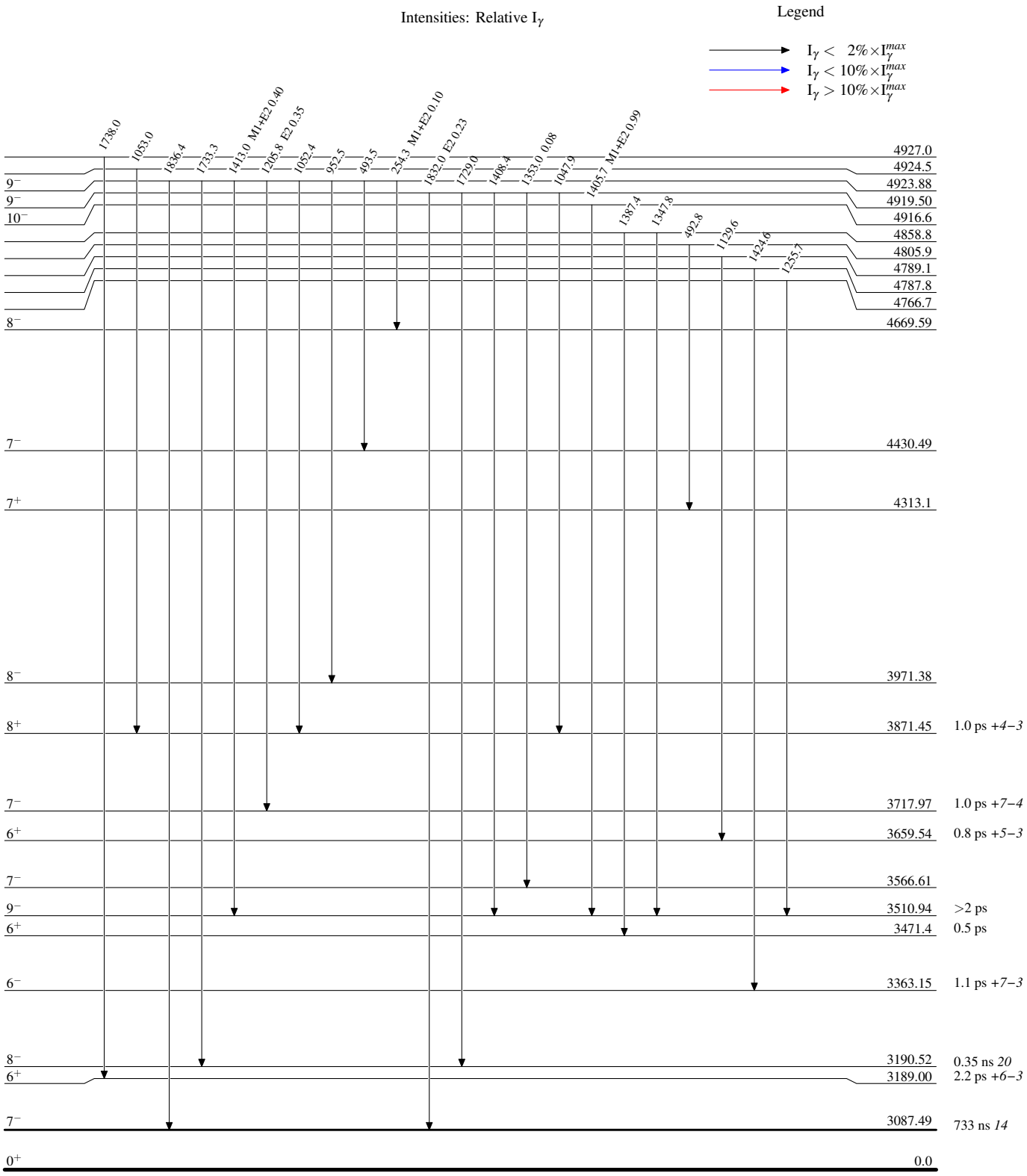


$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

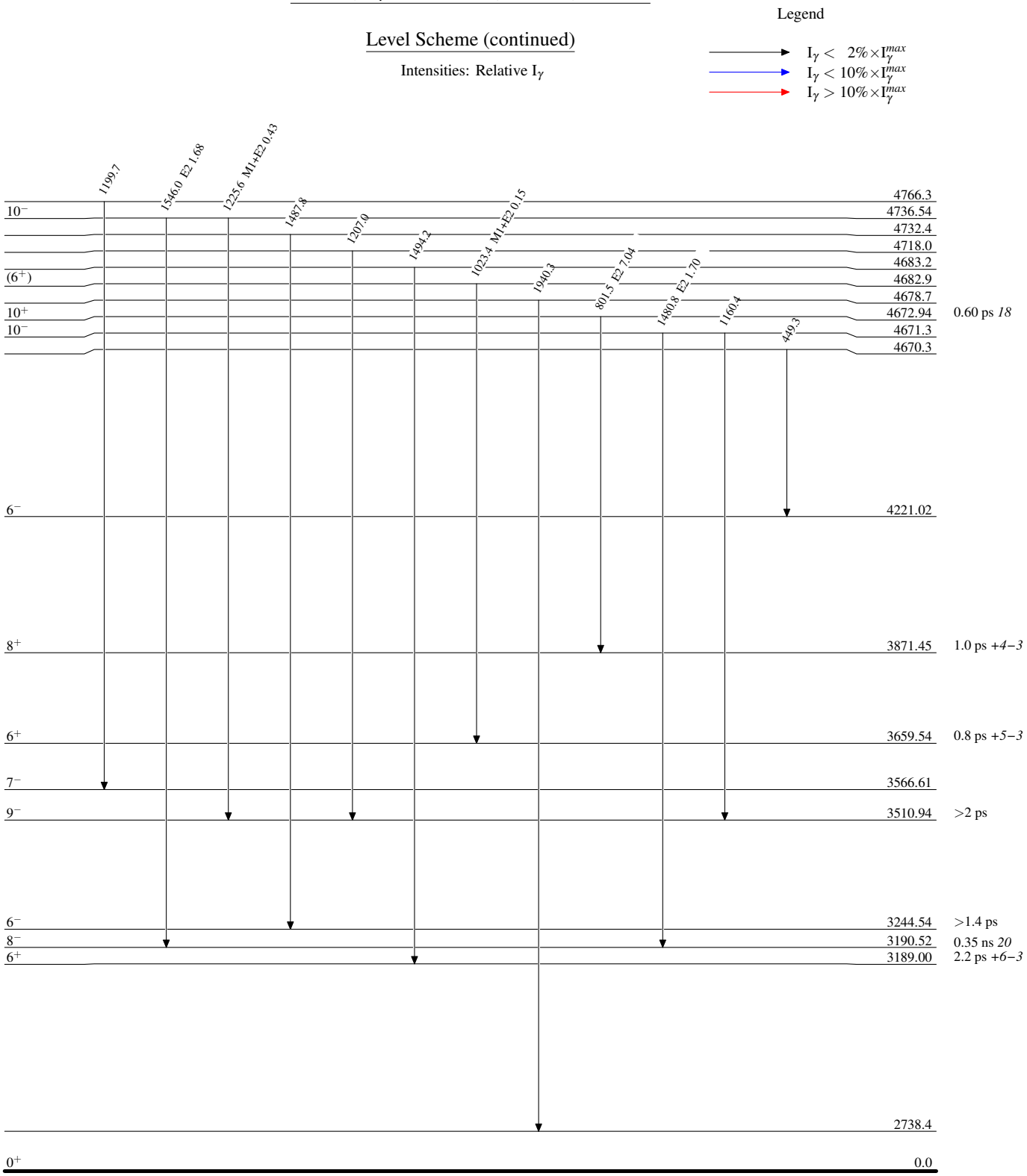
Intensities: Relative I_γ



^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ

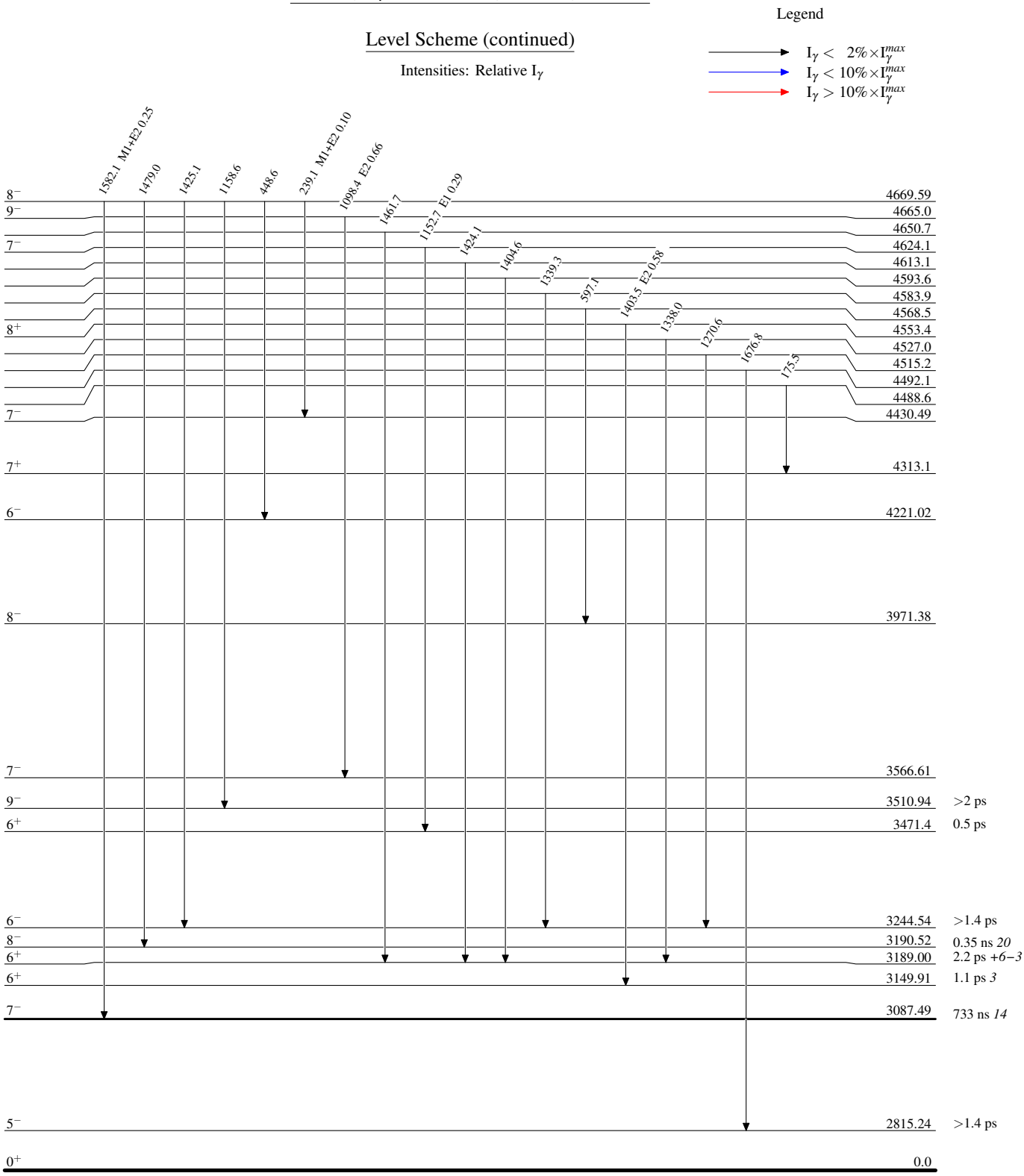


$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ



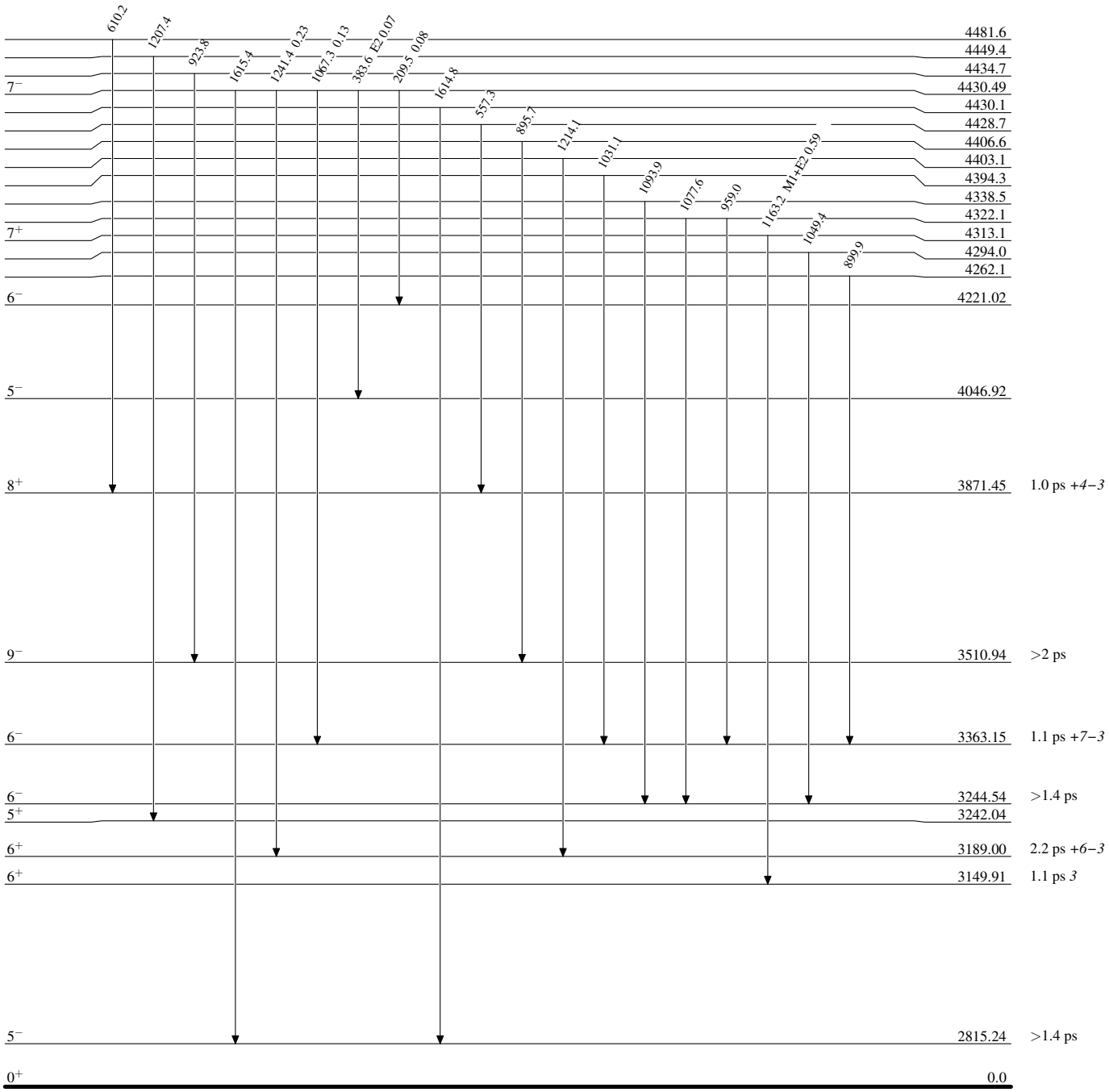
$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ

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



$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

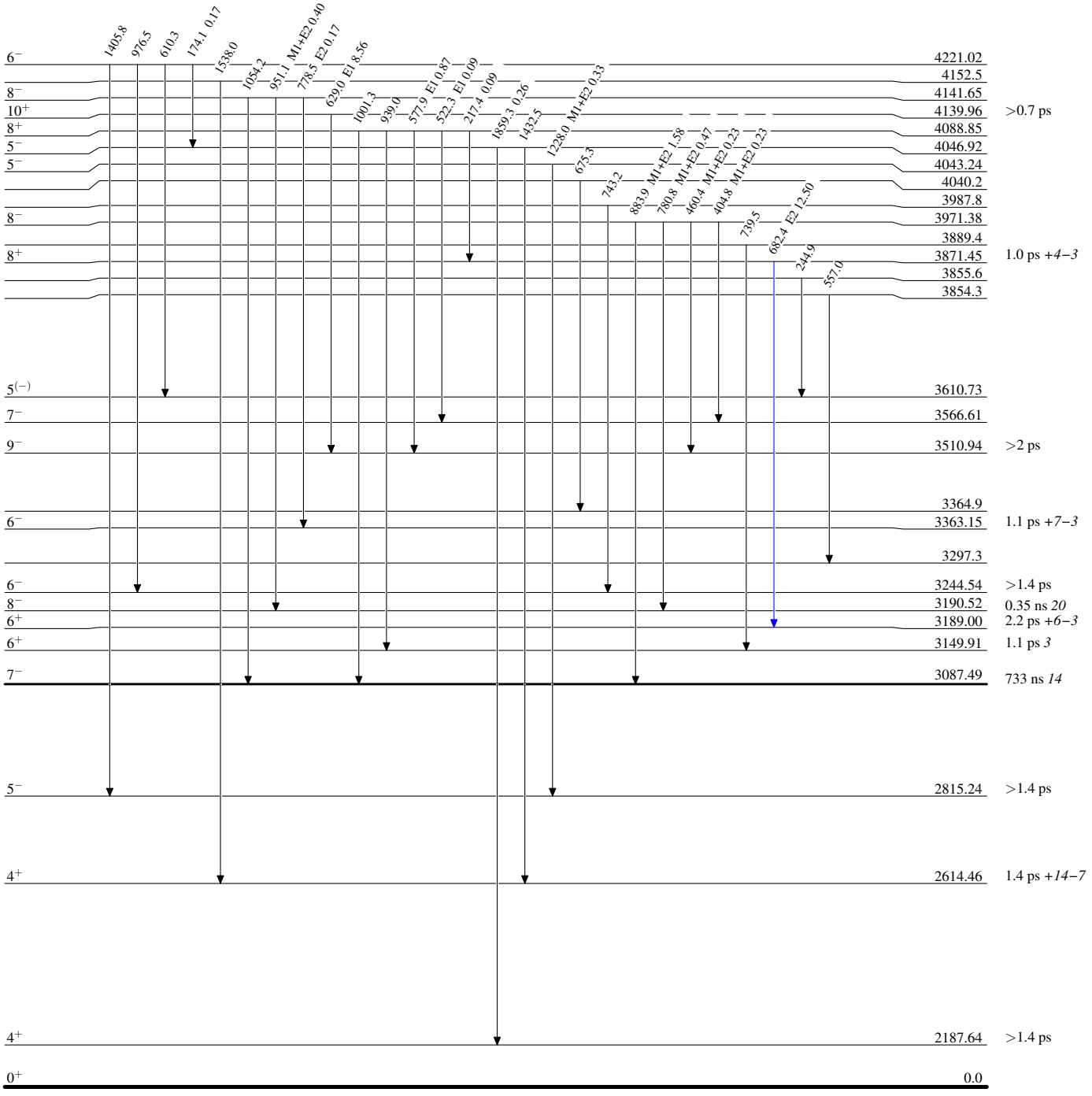
Intensities: Relative I_γ

Legend

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

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

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



$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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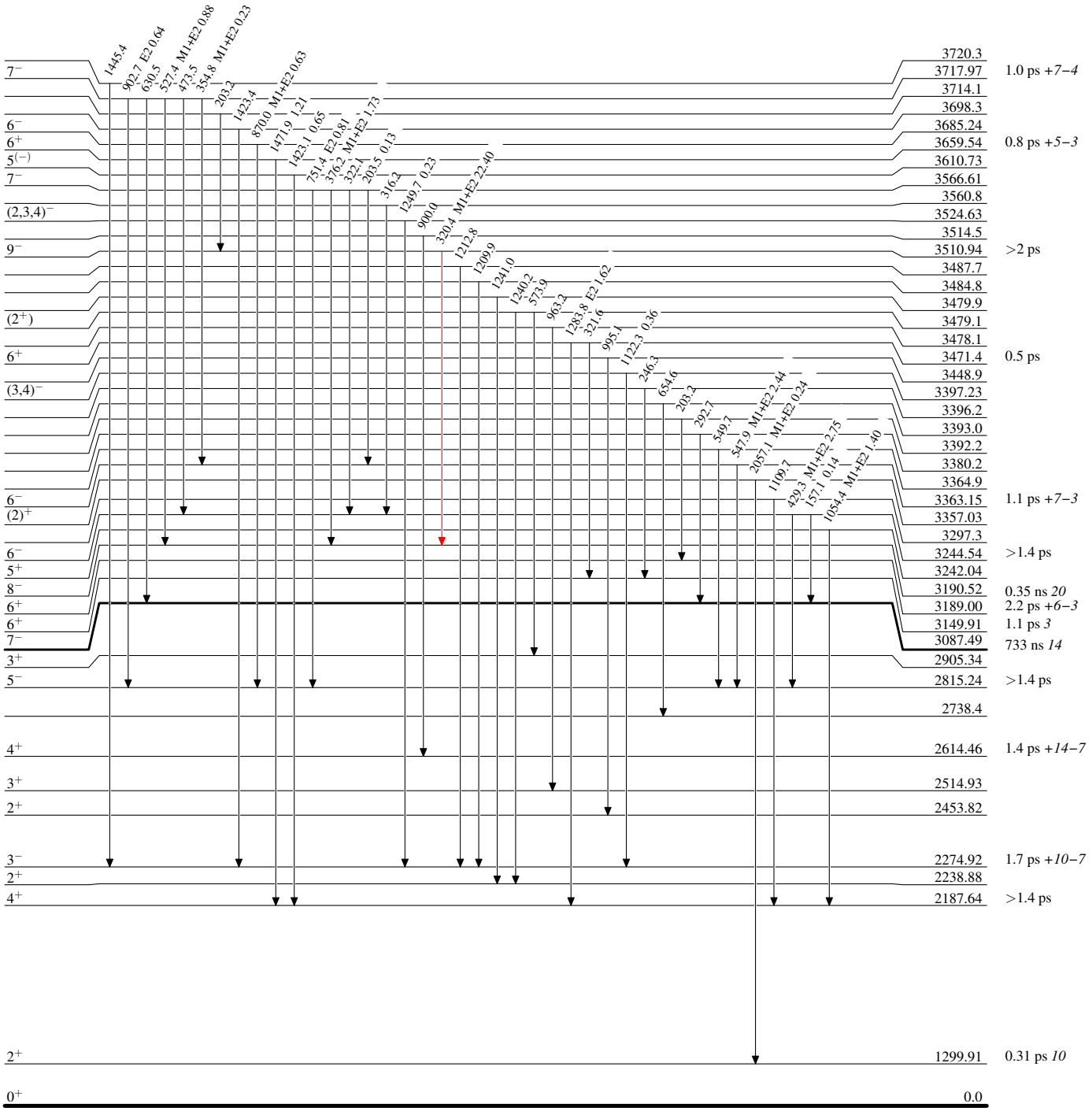
$I_\gamma < 10\% \times I_\gamma^{max}$

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



$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07

Level Scheme (continued)

Intensities: Relative I_γ

Legend

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

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

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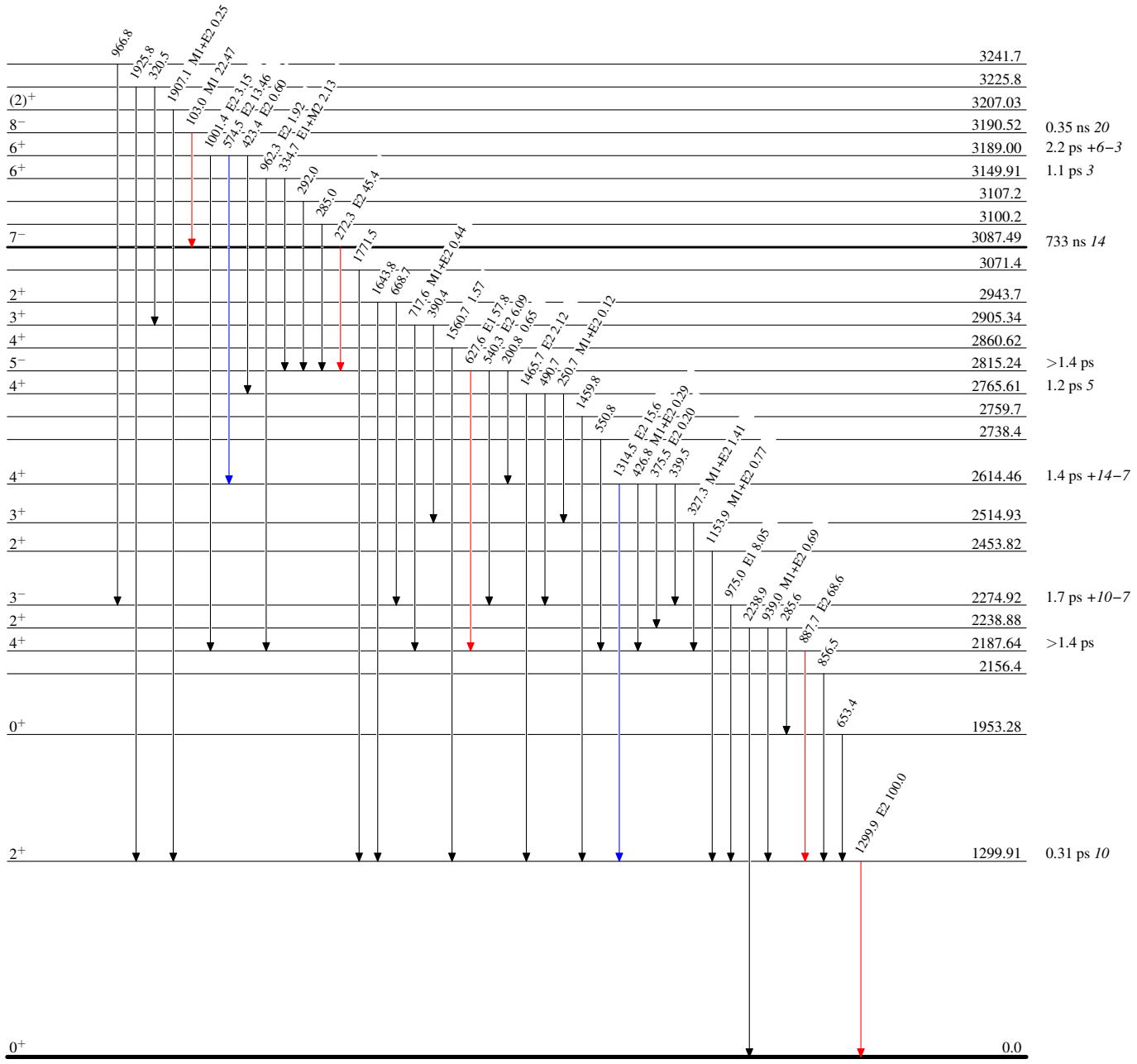
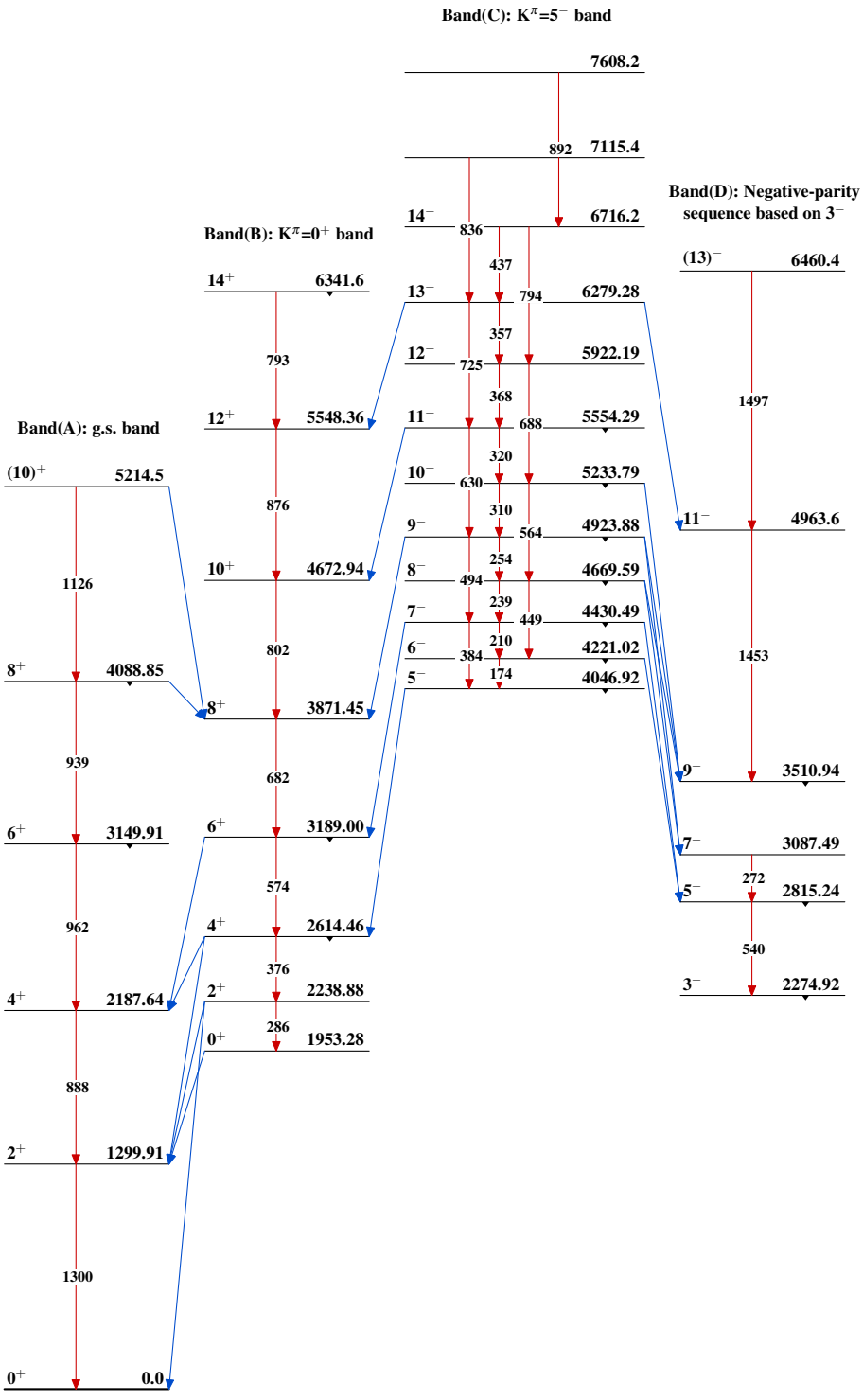


$^{114}_{50}Sn_{64}$

^{112}Cd(α,2nγ) 1995Wi15,1994Sc04,1979Br07



$^{114}_{50}Sn_{64}$