

$^{107}\text{Ag}(\alpha, n\gamma)$ 1989Kr12

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal and F. G. Kondev	NDS 113, 1315 (2012)		1-Aug-2011

$E\alpha=14.5, 17$ MeV. Target: ≈ 0.8 mg/cm² (for γ -ray and $\gamma\gamma$ coinc. measurements) and ≈ 0.4 mg/cm² (for conversion electron measurements), 98.9% enriched ^{107}Ag . The beams were provided by Jyvaskyla 90 cm cyclotron for γ -ray measurements and Debrecen 103 cm cyclotron for conversion electron and lifetime measurements. The energy of γ -rays was measured at 90° angle to the beam direction using a 15.5% Ge(Li) detector in Jyvaskyla and a 20% Ge(HP) detector in Debrecen. The intensities of γ -rays were measured at 125° angle to the beam direction using a 25% Ge(HP) detector in Jyvaskyla and a 20% Ge(HP) detector in Debrecen. For $\gamma\gamma$ coinc. measurements 25% Ge(HP) and 15.5% Ge(Li) detectors were used. For the detection of the low-energy γ -rays an extra LEPS detector at 55° was used in coincidence with the Ge(HP) and Ge(Li) detectors. ≈ 20 million coinc events were recorded. The conversion electron spectra were collected by a superconducting magnet lens spectrometer with Si(Li) detectors positioned at 90° angle to the beam direction. Lifetime measurements using Doppler shift attenuation method were performed at 55°, 90° and 125° angles to the beam direction using a 20% Ge(HP) detector.

Measured: $E\gamma$, $I\gamma$, $\gamma\gamma$, ce, cep(t). Deduced: ^{110}In levels, γ branching, mult., J, π , $T_{1/2}$.

 ^{110}In Levels

E(level) [†]	J ^π #	$T_{1/2}$ [‡]	Comments
0.0	7 ⁺		
62.08 4	2 ⁺		
202.39 4	3 ⁺		
321.20 4	4 ⁺		
334.09 4	2 ⁺	≥ 4.9 ps	
342.55 4	1 ⁺	≥ 4.9 ps	
346.33 4	4 ⁺		
366.52 4	(5 ⁺)		
413.483 19	(7 ⁺)		
437.15 4	(5 ⁺)		
541.24 4	3 ⁺	2.4 ps +17-6	
568.40 3	(6 ⁺)	1.9 ps +9-6	
714.47 4	(8 ⁺)	1.4 ps +15-5	
756.46 4	(4,5) ⁺	1.0 ps +4-2	J ^π : From Adopted Levels, but 2 ⁺ , 3 ⁺ , 4 ⁺ , 5 ⁺ , 6 ⁺ in 1989Kr12. T _{1/2} : Weighted average of T _{1/2} (390γ)=1.0 ps +8-3 and T _{1/2} (410γ)=1.0 ps +4-2.
756.56 4	2 ⁻		
793.04 4	4 ⁺	1.7 ps +10-5	
799.849 17	(7) ⁻	≥ 2.0 ps	
808.077 22	(8) ⁻	≥ 2.4 ps	
856.265 24	(6 ⁻)		
886.41 3	(6) ⁺		
887.40 4	5		
958.46 4	3 ⁺		
970.87 5	(4)		
989.84 4	2 ⁻		
1006.06 3	(5 ⁻)	≥ 1.7 ps	
1017.87 5	(9) ⁻	≥ 1.2 ps	
1020.81 4	(5,6) ⁺		
1023.40 5	3 ⁻		
1049.89 5	2 ⁺	1.0 ps +9-4	
1062.71 5	(4,5)		
1118.46 11			
1119.82 5	(0) ⁻		
1134.07 5	(4,3) ⁻		
1176.23 5	(2,3,4)		
1190.92 5	(1,2,3) ⁻		
1204.87 5	(4 ⁻)	≥ 1.1 ps	

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$^{107}\text{Ag}(\alpha, n\gamma)$ **1989Kr12 (continued)** ^{110}In Levels (continued)

E(level) [†]	J ^π [#]	E(level) [†]	J ^π [#]	T _{1/2} [‡]
1216.80 6	(2,3,4) ⁺	1482.35 6	(3 ⁻)	≥1.8 ps
1230.05 4		1494.00 18	(⁻)	
1239.93 6	(1,2,3) ⁻	1507.11 5		0.97 ps +21-14
1254.91 7	0 ⁻ , 1 ⁻ , 2 ⁻	1529.70 24		
1259.39 8		1561.77 11	(10) ⁻	
1280.23 9	(⁺)	1562.99 8		
1303.23 16		1617.48 7		
1390.70 9		1693.66 9		
1441.75 6				

[†] From least-squares fit to E γ 's.[‡] From DSAM.[#] From the deduced γ -ray transition multiplicities and band structure. $\gamma(^{110}\text{In})$

E γ [‡]	I γ [#]	E _i (level)	J _i ^π	E _f	J _f ^π	Mult. [@]	α [†]	Comments
45.32 2		366.52	(5 ⁺)	321.20	4 ⁺			
56.40 2		856.265	(6 ⁻)	799.849	(7) ⁻			
90.826 8	55.7 17	437.15	(5 ⁺)	346.33	4 ⁺			
93.44 20		808.077	(8) ⁻	714.47	(8) ⁺			
94.35 10	6.5 12	887.40	5	793.04	4 ⁺			
115.951 6	73.1 22	437.15	(5 ⁺)	321.20	4 ⁺			
118.819 6	442 13	321.20	4 ⁺	202.39	3 ⁺			
131.28 8	3.1 4	568.40	(6) ⁺	437.15	(5 ⁺)			
131.63 8		334.09	2 ⁺	202.39	3 ⁺			
140.304 6	1000 39	202.39	3 ⁺	62.08	2 ⁺	M1	0.198	$\alpha(\text{K})_{\text{exp}}=0.133$ 9 $\alpha(\text{K})=0.1717$ 24; $\alpha(\text{L})=0.0216$ 3; $\alpha(\text{M})=0.00419$ 6; $\alpha(\text{N}+..)=0.000823$ 12 $\alpha(\text{N})=0.000767$ 11; $\alpha(\text{O})=5.67\times 10^{-5}$ 8
143.940 6	289 13	346.33	4 ⁺	202.39	3 ⁺	M1	0.185	$\alpha(\text{K})_{\text{exp}}=0.14$ 3
149.80 2	89 4	1006.06	(5 ⁻)	856.265	(6 ⁻)	M1	0.1656	$\alpha(\text{K})_{\text{exp}}=0.14$ 3 $\alpha(\text{K})=0.1434$ 20; $\alpha(\text{L})=0.0180$ 3; $\alpha(\text{M})=0.00349$ 5; $\alpha(\text{N}+..)=0.000687$ 10 $\alpha(\text{N})=0.000639$ 9; $\alpha(\text{O})=4.73\times 10^{-5}$ 7
154.90 14		568.40	(6) ⁺	413.483	(7) ⁺			
165.42 9		958.46	3 ⁺	793.04	4 ⁺			
186.55 7	12.4 9	1693.66		1507.11				
194.92 10	1.5 2	541.24	3 ⁺	346.33	4 ⁺			
198.81 4	38.6 20	1204.87	(4 ⁻)	1006.06	(5 ⁻)	M1,E2	0.11 3	$\alpha(\text{K})_{\text{exp}}=0.087$ 6
201.10 4		1190.92	(1,2,3) ⁻	989.84	2 ⁻			
207.17 3	52 3	541.24	3 ⁺	334.09	2 ⁺	M1	0.0688	$\alpha(\text{K})_{\text{exp}}=0.058$ 4 $\alpha(\text{K})=0.0597$ 9; $\alpha(\text{L})=0.00742$ 11; $\alpha(\text{M})=0.001439$ 21; $\alpha(\text{N}+..)=0.000283$ 4 $\alpha(\text{N})=0.000264$ 4; $\alpha(\text{O})=1.96\times 10^{-5}$ 3
209.80 4	94 5	1017.87	(9) ⁻	808.077	(8) ⁻	M1,E2	0.090 24	$\alpha(\text{K})_{\text{exp}}=0.079$ 5
215.36 5	8.7 10	756.56	2 ⁻	541.24	3 ⁺			
220.09 10	1.5 2	541.24	3 ⁺	321.20	4 ⁺			
223.98 3	5.0 4	1230.05		1006.06	(5 ⁻)			
231.52 10	5.3 5	799.849	(7) ⁻	568.40	(6) ⁺			
233.31 4	1.7 3	989.84	2 ⁻	756.56	2 ⁻			
234.70 6	4.7 4	437.15	(5 ⁺)	202.39	3 ⁺			

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$^{107}\text{Ag}(\alpha, n\gamma)$ **1989Kr12** (continued) $\gamma(^{110}\text{In})$ (continued)

E_γ ‡	I_γ #	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. @	$\alpha^\dagger$	Comments
249.96 15		1239.93	(1,2,3) ⁻	989.84	2 ⁻			
251.81 3	38.9 18	793.04	4 ⁺	541.24	3 ⁺	M1,E2	0.051 10	$\alpha(\text{K})\text{exp}=0.043$ 3
256.63 8	1.4 5	1390.70		1134.07	(4,3) ⁻			
259.12 5	12.8 6	321.20	4 ⁺	62.08	2 ⁺			
266.87 10		1023.40	3 ⁻	756.56	2 ⁻			
272.018 15	174 4	334.09	2 ⁺	62.08	2 ⁺	M1,E2	0.040 7	$\alpha(\text{K})\text{exp}=0.0337$ 17
277.48 3	18.5 8	1482.35	(3 ⁻)	1204.87	(4 ⁻)			
280.459 15	202 8	342.55	1 ⁺	62.08	2 ⁺	M1,E2	0.037 6	$\alpha(\text{K})\text{exp}=0.0310$ 18
284.24 10	12.3 9	346.33	4 ⁺	62.08	2 ⁺			
287.93 5	3.8 5	856.265	(6 ⁻)	568.40	(6 ⁺)			
300.99 3	8.4 6	714.47	(8 ⁺)	413.483	(7 ⁺)	M1,E2	0.030 4	$\alpha(\text{K})\text{exp}=0.029$ 3
^x 315.64 3	8.7 5					E2,M1	0.026 3	$\alpha(\text{K})\text{exp}=0.0277$ 23
319.01 4	6.2 5	887.40	5	568.40	(6 ⁺)			
338.85 5	6.3 11	541.24	3 ⁺	202.39	3 ⁺			
358.12 6	3.6 4	1562.99		1204.87	(4 ⁻)			
363.24 4	1.4 3	1119.82	(0) ⁻	756.56	2 ⁻			
^x 366.96 10								
377.51 2	11.7 6	1134.07	(4,3) ⁻	756.56	2 ⁻	E2,M1	0.0154 9	$\alpha(\text{K})\text{exp}=0.0169$ 12
386.36 2	57.2 16	799.849	(7) ⁻	413.483	(7) ⁺	E1	0.00423 6	$\alpha(\text{K})\text{exp}=0.005$ 3 $\alpha=0.00423$ 6; $\alpha(\text{K})=0.00369$ 6; $\alpha(\text{L})=0.000441$ 7; $\alpha(\text{M})=8.50\times 10^{-5}$ 12; $\alpha(\text{N}+..)=1.661\times 10^{-5}$ 24 $\alpha(\text{N})=1.550\times 10^{-5}$ 22; $\alpha(\text{O})=1.113\times 10^{-6}$ 16
389.93 3	9.7 7	756.46	(4,5) ⁺	366.52	(5 ⁺)	M1,E2	0.0141 7	$\alpha(\text{K})\text{exp}=0.0157$ 14
394.59 2	41.6 11	808.077	(8) ⁻	413.483	(7) ⁺	E1	0.00401 6	$\alpha(\text{K})\text{exp}=0.0041$ 3 $\alpha=0.00401$ 6; $\alpha(\text{K})=0.00350$ 5; $\alpha(\text{L})=0.000418$ 6; $\alpha(\text{M})=8.06\times 10^{-5}$ 12; $\alpha(\text{N}+..)=1.575\times 10^{-5}$ 22 $\alpha(\text{N})=1.470\times 10^{-5}$ 21; $\alpha(\text{O})=1.056\times 10^{-6}$ 15
410.11 2	32.2 9	756.46	(4,5) ⁺	346.33	4 ⁺			
413.52 5	311 8	413.483	(7) ⁺	0.0	7 ⁺	M1,E2	0.0119 4	$\alpha(\text{K})\text{exp}=0.0098$ 5
413.99 2	40 5	756.56	2 ⁻	342.55	1 ⁺			
417.16 5	4.8 5	958.46	3 ⁺	541.24	3 ⁺			
419.65 8	3.1 4	1176.23	(2,3,4)	756.56	2 ⁻			
422.48 4	7.9 8	756.56	2 ⁻	334.09	2 ⁺			
429.63 15	2.0 6	970.87	(4)	541.24	3 ⁺			
434.35 3	9.5 8	1190.92	(1,2,3) ⁻	756.56	2 ⁻			
435.32 4	40 3	756.46	(4,5) ⁺	321.20	4 ⁺	M1,E2	0.01037 22	$\alpha(\text{K})\text{exp}=0.0101$ 6
^x 438.15 20	0.7 6							
442.82 7	3.6 7	856.265	(6 ⁻)	413.483	(7) ⁺			
448.61 5	1.3 13	989.84	2 ⁻	541.24	3 ⁺			
449.22 4	12.1 11	886.41	(6) ⁺	437.15	(5 ⁺)	M1,E2		$\alpha(\text{K})\text{exp}=0.0093$ 9
452.35 5	6.9 6	1020.81	(5,6) ⁺	568.40	(6) ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0093$ 13
471.79 6	1.2 17	793.04	4 ⁺	321.20	4 ⁺			
472.95 3	26.3 15	886.41	(6) ⁺	413.483	(7) ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0094$ 16
479.15 3	71.8 19	541.24	3 ⁺	62.08	2 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0080$ 6
483.34 5	3.7 5	1239.93	(1,2,3) ⁻	756.56	2 ⁻			
487.19 8	7.5 9	1280.23	(⁺)	793.04	4 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0096$ 22
487.94 17	8.0 6	1494.00	(⁻)	1006.06	(5 ⁻)	M1,E2		$\alpha(\text{K})\text{exp}$: For 487.19 γ +487.94 γ . $\alpha(\text{K})\text{exp}=0.0096$ 22 $\alpha(\text{K})\text{exp}$: For 487.19 γ +487.94 γ .
498.31 7		1254.91	0 ⁻ , 1 ⁻ , 2 ⁻	756.56	2 ⁻			
501.10 6	8.1 10	1507.11		1006.06	(5 ⁻)			

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$^{107}\text{Ag}(\alpha, n\gamma)$ **1989Kr12** (continued) $\gamma(^{110}\text{In})$ (continued)

E_γ ‡	I_γ #	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. @	$\alpha^\dagger$	Comments
502.95 9	4.1 6	1259.39		756.46	(4,5) ⁺			
520.75 13	5.1 7	887.40	5	366.52	(5 ⁺)			
533.83 11	9.5 10	970.87	(4)	437.15	(5 ⁺)			
541.03 8	10.6 7	887.40	5	346.33	4 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0061$ 7
543.90 10	33.4 10	1561.77	(10) ⁻	1017.87	(9) ⁻	M1,E2		$\alpha(\text{K})\text{exp}=0.0068$ 4
554.09 7		756.56	2 ⁻	202.39	3 ⁺			
566.24 7	47.0 17	887.40	5	321.20	4 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0054$ 4
568.41 6	129 3	568.40	(6) ⁺	0.0	7 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0052$ 3
569.06 19	6.4 8	1006.06	(5) ⁻	437.15	(5 ⁺)			
590.65 2	30.1 17	793.04	4 ⁺	202.39	3 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0044$ 4
592.04 20		958.46	3 ⁺	366.52	(5 ⁺)			
599.63 5	16.1 15	1617.48		1017.87	(9) ⁻	M1,E2		$\alpha(\text{K})\text{exp}=0.0029$ 4
612.19 5	13.7 11	958.46	3 ⁺	346.33	4 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0034$ 6
^x 613.16 20	4.7 8							
615.95 10	1.9 4	958.46	3 ⁺	342.55	1 ⁺			
624.41 6	4.9 5	958.46	3 ⁺	334.09	2 ⁺			
637.27 3	11.6 13	958.46	3 ⁺	321.20	4 ⁺			
647.27 4	9.8 9	989.84	2 ⁻	342.55	1 ⁺			
649.68 5	12.1 13	970.87	(4)	321.20	4 ⁺			
650.74 10	7.2 12	1507.11		856.265	(6) ⁻			
655.73 5		989.84	2 ⁻	334.09	2 ⁺			
674.53 5	8.7 16	1020.81	(5,6) ⁺	346.33	4 ⁺			
677.12 15		1023.40	3 ⁻	346.33	4 ⁺			
689.27 10		1023.40	3 ⁻	334.09	2 ⁺			
694.44 5	16.8 15	756.56	2 ⁻	62.08	2 ⁺			
696.18 4	23.0 22	1062.71	(4,5)	366.52	(5 ⁺)			
^x 699.38 5	8.9 14							
702.07 19		1023.40	3 ⁻	321.20	4 ⁺			
707.34 4	16.7 20	1049.89	2 ⁺	342.55	1 ⁺			
714.37 10	91 4	714.47	(8) ⁺	0.0	7 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0028$ 2
715.72 8	2.0 4	1049.89	2 ⁺	334.09	2 ⁺			
716.37 10	5.7 6	1062.71	(4,5)	346.33	4 ⁺			
741.52 10	3.3 8	1062.71	(4,5)	321.20	4 ⁺			
751.93 10	16.5 11	1118.46		366.52	(5 ⁺)	M1,E2		$\alpha(\text{K})\text{exp}=0.0026$ 3
756.03 6	8.1 15	958.46	3 ⁺	202.39	3 ⁺			
768.45 5	13.4 10	970.87	(4)	202.39	3 ⁺			
773.24 23	7.2 8	1529.70		756.46	(4,5) ⁺			
777.32 6	2.6 4	1119.82	(0) ⁻	342.55	1 ⁺			
787.48 6	7.6 8	989.84	2 ⁻	202.39	3 ⁺			
799.83 2	248 5	799.849	(7) ⁻	0.0	7 ⁺	E1	0.000801 12	$\alpha(\text{K})\text{exp}=0.00082$ 4 $\alpha=0.000801$ 12; $\alpha(\text{K})=0.000700$ 10; $\alpha(\text{L})=8.20\times 10^{-5}$ 12; $\alpha(\text{M})=1.580\times 10^{-5}$ 23; $\alpha(\text{N}+...)=3.11\times 10^{-6}$ $\alpha(\text{N})=2.89\times 10^{-6}$ 4; $\alpha(\text{O})=2.14\times 10^{-7}$ 3
808.09 3	97.1 24	808.077	(8) ⁻	0.0	7 ⁺	E1	0.000784 11	$\alpha(\text{K})\text{exp}=0.00066$ 5 $\alpha=0.000784$ 11; $\alpha(\text{K})=0.000686$ 10; $\alpha(\text{L})=8.03\times 10^{-5}$ 12; $\alpha(\text{M})=1.547\times 10^{-5}$ 22; $\alpha(\text{N}+...)=3.04\times 10^{-6}$ $\alpha(\text{N})=2.83\times 10^{-6}$ 4; $\alpha(\text{O})=2.09\times 10^{-7}$ 3
813.00 15	3.8 9	1134.07	(4,3) ⁻	321.20	4 ⁺			
817.44 17	29.9 15	1617.48		799.849	(7) ⁻			
821.00 17		1023.40	3 ⁻	202.39	3 ⁺			
822.21 10	20.9 12	1259.39		437.15	(5 ⁺)			

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$^{107}\text{Ag}(\alpha, n\gamma)$ **1989Kr12** (continued) $\gamma(^{110}\text{In})$ (continued)

E_γ ‡	I_γ #	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. @	$\alpha^\dagger$	Comments
829.86 10	2.8 6	1176.23	(2,3,4)	346.33	4 ⁺			
842.22 10		1176.23	(2,3,4)	334.09	2 ⁺			
855.01 10		1176.23	(2,3,4)	321.20	4 ⁺			
856.5 3	≤4.1	856.265	(6 ⁻)	0.0	7 ⁺			
857.11 20		1190.92	(1,2,3) ⁻	334.09	2 ⁺			
870.39 10	9.3 16	1216.80	(2,3,4) ⁺	346.33	4 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0014$ 4
873.35 5	8.9 16	1441.75		568.40	(6) ⁺			
882.69 7	8.1 6	1216.80	(2,3,4) ⁺	334.09	2 ⁺			
883.76 8	8.8 9	1230.05		346.33	4 ⁺			
895.70 10		1216.80	(2,3,4) ⁺	321.20	4 ⁺			
896.31 6	5.0 9	958.46	3 ⁺	62.08	2 ⁺			
905.92 10	3.9 9	1239.93	(1,2,3) ⁻	334.09	2 ⁺			
912.41 8		1254.91	0 ⁻ , 1 ⁻ , 2 ⁻	342.55	1 ⁺			
^x 921.36 10	9.8 11					M1,E2		$\alpha(\text{K})\text{exp}$: 0.0013 3 for 921.36 + 923.10 γ 's.
^x 923.10 15	8.7 9					M1,E2		$\alpha(\text{K})\text{exp}$: 0.0013 3 for 921.36 + 923.10 γ 's.
927.74 5	5.6 9	989.84	2 ⁻	62.08	2 ⁺			
961.32 3	25.8 17	1023.40	3 ⁻	62.08	2 ⁺	E1	0.000556 8	$\alpha(\text{K})\text{exp}=0.00044$ 11 $\alpha=0.000556$ 8; $\alpha(\text{K})=0.000486$ 7; $\alpha(\text{L})=5.67\times 10^{-5}$ 8; $\alpha(\text{M})=1.092\times 10^{-5}$ 16; $\alpha(\text{N}+..)=2.15\times 10^{-6}$ 3 $\alpha(\text{N})=2.00\times 10^{-6}$ 3; $\alpha(\text{O})=1.484\times 10^{-7}$ 21
969.14 15	4.7 5	1303.23		334.09	2 ⁺			
987.81 4		1049.89	2 ⁺	62.08	2 ⁺			
1020.84 6	17.4 12	1020.81	(5,6) ⁺	0.0	7 ⁺	M1,E2		$\alpha(\text{K})\text{exp}=0.0014$ 5
1069.92 6	7.3 13	1507.11		437.15	(5 ⁺)			
1114.15 6		1176.23	(2,3,4)	62.08	2 ⁺			
1140.60 20	5.5 9	1507.11		366.52	(5 ⁺)			
1177.93 10		1239.93	(1,2,3) ⁻	62.08	2 ⁺			

† Additional information 1.

‡ From $\theta=90^\circ$ and $E\alpha=17$ MeV.# From $\gamma\gamma$ coinc at $\theta=125^\circ$ and $E\alpha=17$ MeV. ($I_\gamma(140.304)=1000$).@ From $\alpha(\text{K})\text{exp}$ in 1989Kr12.^x γ ray not placed in level scheme.

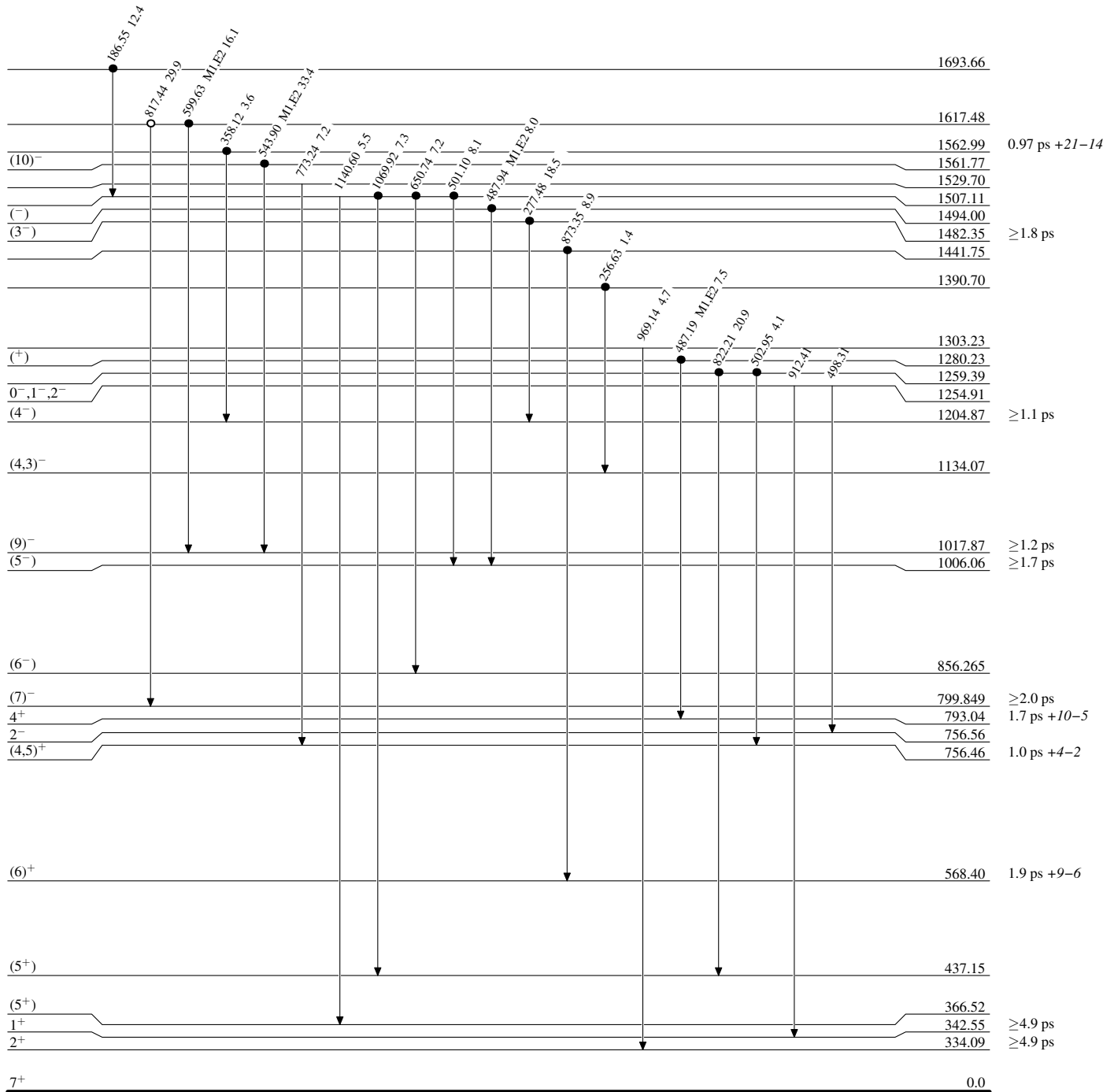
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Level Scheme

Intensities: Type not specified

Legend

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



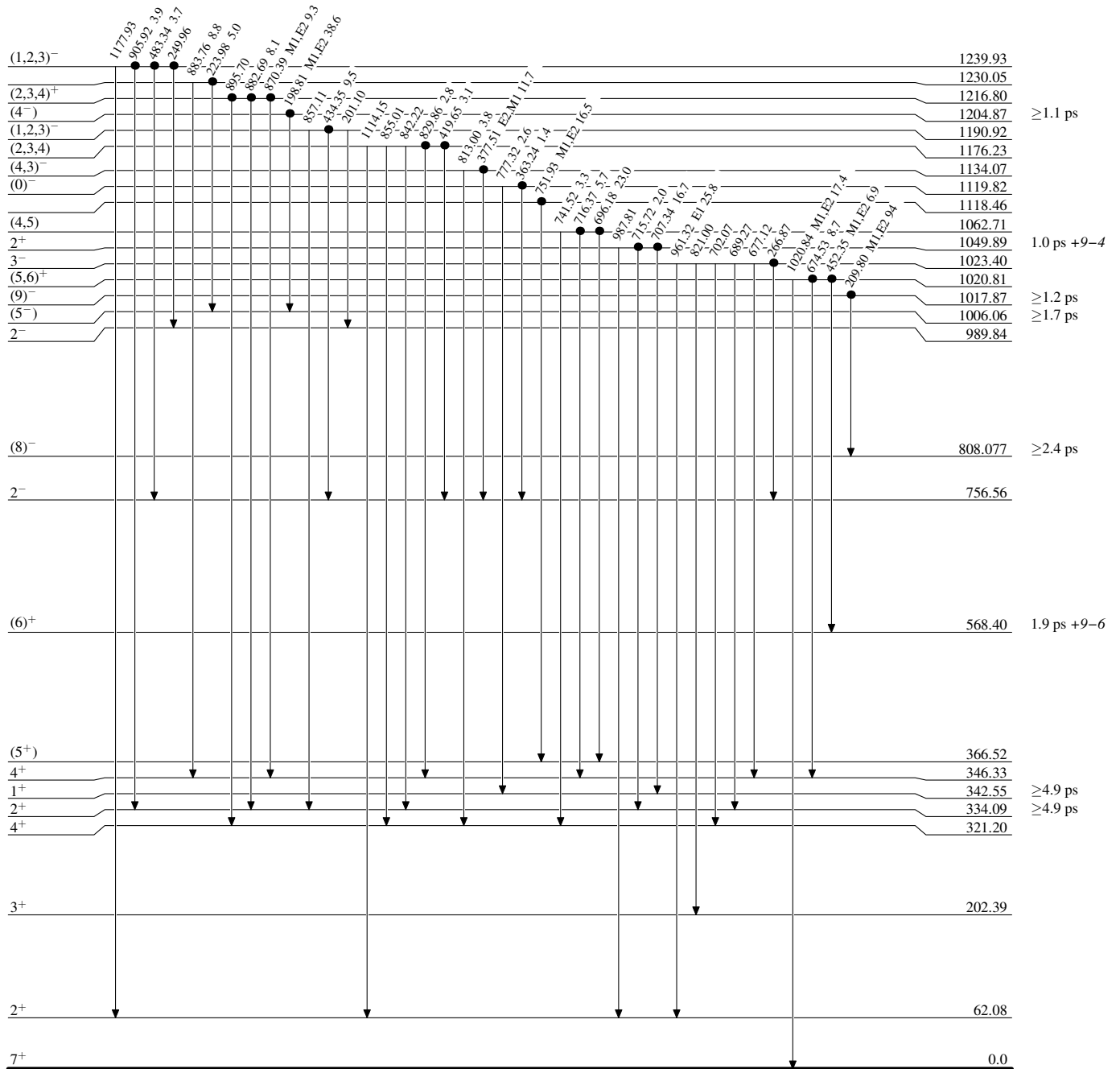
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Level Scheme (continued)

Intensities: Type not specified

Legend

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



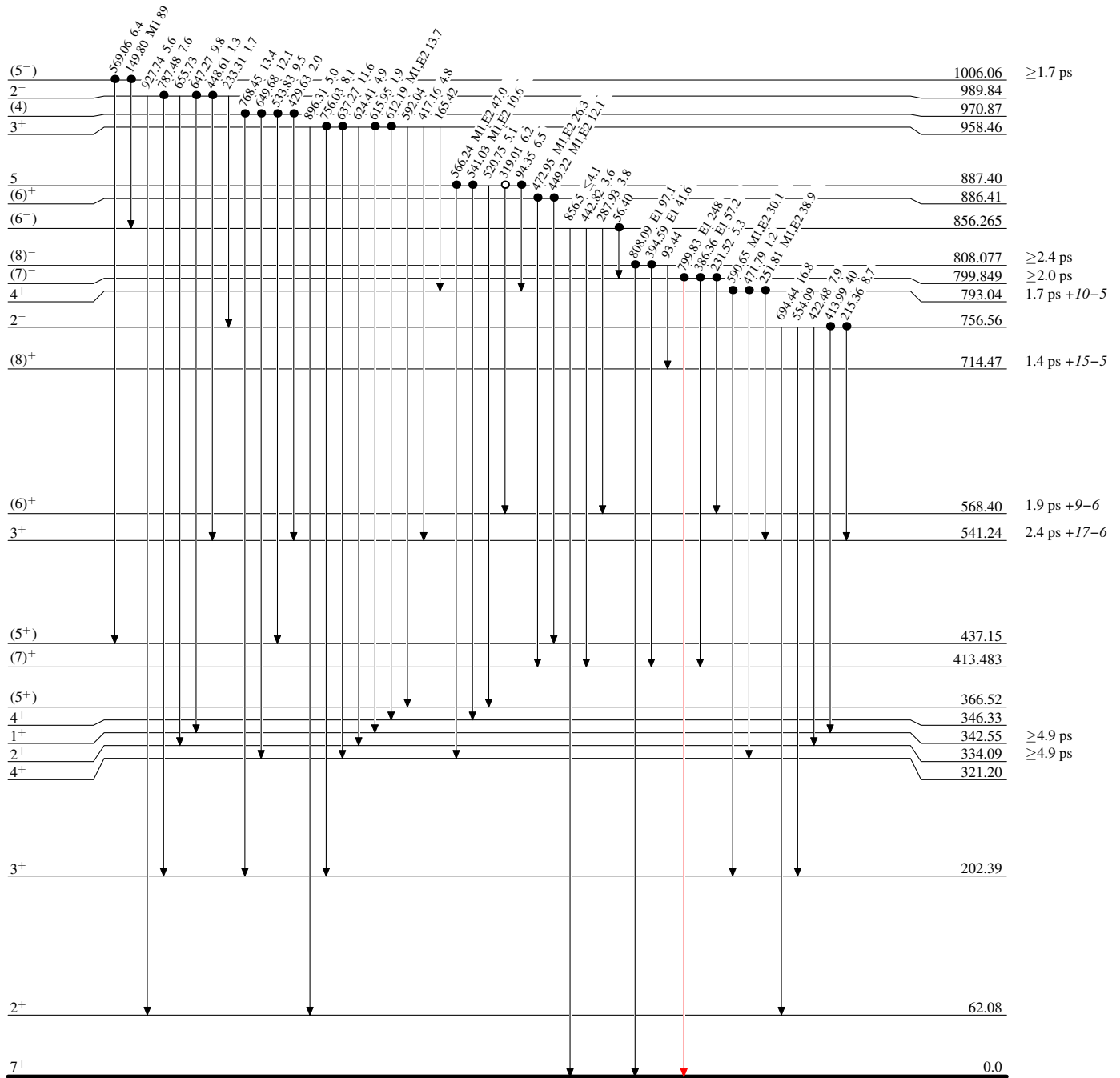
$^{107}\text{Ag}(\alpha, n\gamma)$ 1989Kr12

Level Scheme (continued)

Intensities: Type not specified

Legend

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

 $^{110}_{49}\text{In}_{61}$

