

$^{110}\text{Cd}(n,n'\gamma)$ 1992De41,2001Co01

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

1992De41: The experiments were performed at Tajura Center for Nuclear Research in Lybia and IR-8 reactor at the Kurchatov Institute of Atomic Energy using fast neutrons. 30 gram, 96.5% enriched in ^{110}Cd target was used. A two-crystal Compton polarimeter was used for linear polarization measurements. Measured: $E\gamma$, $I\gamma$, $\gamma(\theta)$ ($\theta=90^\circ$, 105° , 115° , 125° , 135° and 150°), γ -linear polarization. Deduced: ^{110}Cd levels, δ , mult, J^π .

2001Co01: The neutrons were produced at the University of Kentucky accelerator laboratory ($E_n=2.1$ MeV to 3.4 MeV in 0.1 MeV steps). Three ingot of cadmium metal target, enriched to 97.25% in ^{110}Cd was used. γ -rays were detected using a Compton-suppressed HPGe detector. Measured: $E\gamma$, $I\gamma$, $\gamma(\theta)$, $T_{1/2}$. Deduced: ^{110}Cd levels, δ , mult, J^π .

Others: [2001Co01](#), [1990Ar20](#), [1976De23](#).

 ^{110}Cd Levels

E(level) [†]	J^π [‡]	$T_{1/2}$ [@]	Comments
0.0	0 ⁺		
657.755 14	2 ⁺		
1473.088 24	0 ⁺		
1475.796 15	2 ⁺		
1542.444 21	4 ⁺		
1731.293 23	0 ⁺		
1783.512 15	2 ⁺	0.8 ps +3-2	
2078.878 22	3 ⁻	0.46 ps +15-9	
2078.884 22	0 ⁺		
2162.806 19	3 ⁺	0.8 ps +6-2	
2220.082 24	4 ⁺	0.7 ps +3-2	
2250.54 8	4 ⁺	0.6 ps +5-2	
2287.417 24	2 ⁺	0.29 ps +7-5	
2331.92 5	0 ⁺		
2355.787 24	2 ⁺	0.35 ps +12-7	
2433.269 23	3 ⁺		
2477.56 10	2 ⁺ #		
2480.00 5	6 ⁺	0.2 ps +8-1	
2481.602 24	(2 ⁺)#	0.46 ps +23-12	J^π : 1992De41 suggests 2 ⁺ ,(3 ⁻). 2001Co01 assigns (2 ⁺).
2539.69 5	5 ⁻	0.6 ps +4-2	
2561.29 8	4 ⁺	0.9 ps +8-3	
2566.46 6	2 ⁺ ,3 ⁺		
2633.20 5	(2 ⁺ ,3 ⁺)#	0.139 ps +21-14	J^π : $J^\pi=4^+$,(3 ⁺) suggested by 1992De41.
2649.95 6	1 ⁻	0.028 ps 7	
2659.88 8	(5) ⁻		
2662.00 4	0 ⁺ #		
2705.65 21	4 ⁺		
2707.45 7	4 ⁺		
2758.26 8	3 ⁺	0.23 ps +9-6	J^π : (2 ⁺ ,3 ⁺) in 2001Co01.
2787.30 5	2 ⁺	0.028 ps 7	
2793.48 15			$J^\pi=(4^+)$ in 2001Co01.
2842.68 18	5 ⁻ #		
2869.08 5	2 ⁺		
2876.9 5			
2879.10 21	(7 ⁻)		
2896.07? 10			
2917.62 10	2 ⁺ ,3 ⁻		
2926.75 9	5 ⁺		
2975.28 8	1 ⁺ ,2 ⁺		J^π : 2 ⁺ in 2001Co01.

Continued on next page (footnotes at end of table)

$^{110}\text{Cd}(n,n'\gamma)$ **1992De41,2001Co01** (continued) ^{110}Cd Levels (continued)

E(level) [†]	J^π [‡]	$T_{1/2}$ [@]	Comments
2984.63 14	3 ⁺	0.11 ps +20-5	J^π : 5 ⁻ in 2001Co01 .
2993.64 17	(0 ⁺) [#]		
2994.07 9	(3 ⁺ ,4 ⁺) [#]		
3008.4? 7			
3042.86 8	(2 ⁺) [#]		
3063.94 17			
3078.22 23	1 ⁺ ,2 ⁺		
3101.99 20	1,2 ⁺		
3122.2 3	6 ⁺		
3135.17 7	2 ⁺ ,3 ⁺		
3171.19 20			
3193.0 4	1,2,3		
3256.48 14	2,3 ⁺		
3277.79 14			
3298.13 20			
3314.31 18	1 ⁺ ,2 ⁺		
3340.82 14			
3359.06 20			
3366.8 4			
3403.7 8	(1 ⁻)		
3427.5 3			
3449.6 3			
3466.1 5	1 ⁺ ,2 ⁺		
3475.6 4	1 ⁺ ,2 ⁺		
3493.1 4			
3598.0 7			
3772.8 10			

[†] From least-squares fit to E γ 's.

[‡] From **1992De41**, deduced using multipolarity of γ -ray transitions by $\gamma(\theta)$, γ -linear polarizations and from the γ -decay pattern, unless otherwise stated.

[#] From **2001Co01**, deduced using γ -ray multiplicities from $\gamma(\theta)$ and from γ -decay pattern.

[@] From **2001Co01** using the DSAM technique.

 $\gamma(^{110}\text{Cd})$

E _i (level)	J_i^π	E γ [†]	I γ [†]	E _f	J_f^π	Mult. [#]	δ [#]	Comments
657.755	2 ⁺	657.75 2	100	0.0	0 ⁺	E2		Mult.: A ₂ =+0.22 2, A ₄ =-0.03 2.
1473.088	0 ⁺	815.33 2	3.76 15	657.755	2 ⁺	[E2]		Mult.: A ₂ =-0.005 13, A ₄ =+0.006 18.
1475.796	2 ⁺	818.02 2	10.1 3	657.755	2 ⁺	M1+E2	-1.4 +10-4	Mult.: A ₂ =-0.194 15, A ₄ =0.00 2. δ : Others: -1.4 +4-10 (1990Ar20), 1.5 +3-4 (2001Co01).
		1475.78 2	5.5 2	0.0	0 ⁺	E2		I γ : 6.09 22 in 2001Co01 . Mult.: A ₂ =+0.28 2, A ₄ =-0.03 2.
1542.444	4 ⁺	884.68 2	15.4 5	657.755	2 ⁺	E2		Mult.: A ₂ =+0.33 2, A ₄ =-0.05 2.
1731.293	0 ⁺	255.51 7	0.24 2	1475.796	2 ⁺			I γ : 0.15 1 in 2001Co01 .
		1073.53 2	1.57 10	657.755	2 ⁺			
1783.512	2 ⁺	310.4 6	0.016 8	1473.088	0 ⁺			
		1125.78 2	5.6 3	657.755	2 ⁺	M1+E2	+0.33 8	Mult.: A ₂ =+0.36 2, A ₄ =+0.02 4. δ : From $\gamma(\theta)$ in 1990Ar20 . Others: +0.33

Continued on next page (footnotes at end of table)

$^{110}\text{Cd}(n,n'\gamma)$ **1992De41,2001Co01 (continued)** $\gamma(^{110}\text{Cd})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. #	$\delta^\#$	Comments
1783.512	2 ⁺	1783.50 2	1.51 7	0.0	0 ⁺	E2		+7-4 (1992De41), 0.3 2 or 1.7 3 (1976De23), +0.13 +3-2 (2001Co01). I _γ : 1.78 2 in 2001Co01. Mult.: A ₂ =+0.29 3, A ₄ =-0.07 4.
2078.878	3 ⁻	295.45 4 602.92 10	<0.63 0.70 5	1783.512 1475.796	2 ⁺ 2 ⁺	E1		I _γ : ≈0.16 in 2001Co01. I _γ : ≈0.63 in 2001Co01. Mult.: A ₂ =-0.20 5, A ₄ =-0.01 5. δ: 0.04 2 (2001Co01). Mult.: A ₂ =-0.166 16, A ₄ =+0.02 2. δ: +0.05 5 (1976De23), 0.003 +28-19 (2001Co01).
		1421.10 ^a 2	<4.2 ^a	657.755	2 ⁺	E1		
2078.884	0 ⁺	295.45 4 1421.10 ^a 2	≈0.63 <0.2 ^a	1783.512 657.755	2 ⁺ 2 ⁺			
2162.806	3 ⁺	620.3 2	0.35 7	1542.444	4 ⁺	M1+E2 [@]	-0.46 +7-6	I _γ : 0.49 2 in 2001Co01. δ: From 2001Co01.
		687.01 2	0.84 4	1475.796	2 ⁺	M1+E2 [@]	-1.66 +9-8	I _γ : 0.74 2 in 2001Co01. Mult.: Other: A ₂ =-0.55 3, A ₄ =+0.09 4 (1992De41). δ: From 2001Co01. Others: -1.48 10 or -0.40 4 (1992De41), -1.48 15 (1990Ar20), 0.4 +1-2 (1976De23).
		1505.04 2	1.75 8	657.755	2 ⁺	M1+E2	-1.37 8	Mult.: A ₂ =-0.590 17, A ₄ =+0.06 3. δ: Others: -0.1 1 or 3 +2-1 (1976De23), -1.37 15 (1990Ar20), -1.52 +11-14 (2001Co01).
2220.082	4 ⁺	677.63 2	1.39 5	1542.444	4 ⁺	M1+E2	-0.34 3	Mult.: A ₂ =+0.14 2, A ₄ =+0.03 3. δ: Others: -0.34 4 (1990Ar20), -0.41 2 (2001Co01).
		744.30 3 1562.2 2	0.62 0.18 3	1475.796 657.755	2 ⁺ 2 ⁺	E2 E2		Mult.: A ₂ =+0.36 2, A ₄ =-0.05 8.
2250.54	4 ⁺	467.13 13 708.05 10	0.25 2 1.43 15	1783.512 1542.444	2 ⁺ 4 ⁺	E2 [@] M1+E2	-0.15 9	I _γ : 0.14 1 in 2001Co01. Mult.: A ₂ =+0.22 6, A ₄ =-0.10 8. δ: Others: -0.15 9 (1990Ar20), 0.13 +4-3 (2001Co01).
		774.0 5 1592.7 ^{&} 5	0.11 3 0.09 ^{&} 2	1475.796 657.755	2 ⁺ 2 ⁺	E2 [@] E2 [@]		I _γ : 0.06 1 in 2001Co01. I _γ : 0.12 1 in 2001Co01.
2287.417	2 ⁺	1629.65 2	1.96 15	657.755	2 ⁺	M1+E2	+0.06 3	Mult.: A ₂ =+0.24 3, A ₄ =+0.01 4. δ: Others: +0.06 3 (1990Ar20), -0.01 2 (2001Co01).
2331.92	0 ⁺	548.4 ^{&} 2 1674.15 4	0.08 ^{&} 2 0.33 2	1783.512 657.755	2 ⁺ 2 ⁺			Mult.: A ₂ =+0.02 6, A ₄ =+0.00 8 (1992De41).
2355.787	2 ⁺	624.47 [‡] 9 1698.02 2		1731.293 657.755	0 ⁺ 2 ⁺	E2 [@] M1+E2		Mult.: A ₂ =+0.27 3, A ₄ =-0.01 3. δ: +0.11 4 or +1.75 15 (1992De41), 0.1 +2-1 or 1.7 +6-5 (1976De23), 1.8 2 or +0.10 5 (1990Ar20).
2433.269	3 ⁺	651.3 5 890.7 5 957.47 2	0.17 3 0.05 2 0.59 4	1783.512 1542.444 1475.796	2 ⁺ 4 ⁺ 2 ⁺			E _γ : Least-squares fit gives 649.754 25. Mult.: A ₂ =-0.58 3, A ₄ =+0.07 3. δ: -0.45 5 or -1.38 14 (1992De41), -0.43 8 or -1.38 20 (1990Ar20). Mult.: A ₂ =-0.56 8, A ₄ =0.00 3. δ: -0.35 10 or -1.6 3 (1992De41), -0.35 10 or -1.6 4 (1990Ar20).
		1775.47 5	0.24 2	657.755	2 ⁺	M1+E2		

Continued on next page (footnotes at end of table)

$^{110}\text{Cd}(n,n'\gamma)$ **1992De41,2001Co01** (continued) $\gamma(^{110}\text{Cd})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. #	$\delta^\#$	Comments
2477.56	2 ⁺	746.19 [‡] 17		1731.293	0 ⁺	E2		$I_\gamma=42\%$ in 2001Co01 .
		1001.65 [‡] 17		1475.796	2 ⁺	(E2) [@]		$I_\gamma=100\%$ in 2001Co01 .
		1819.82 [‡] 24		657.755	2 ⁺			$I_\gamma=20\%$ in 2001Co01 .
		2477.81 [‡] 22	0.360 7	0.0	0 ⁺	E2 [@]		$I_\gamma=91\%$ in 2001Co01 .
2480.00	6 ⁺	937.55 4	0.71 4	1542.444	4 ⁺	E2		Mult.: $A_2=+0.39$ 3, $A_4=-0.07$ 3.
2481.602	(2 ⁺)	402.84 [‡] 17		2078.878	3 ⁻	E1 [@]		
		698.0 2	0.19 2	1783.512	2 ⁺			
		1005.58 10	0.36 2	1475.796	2 ⁺			Mult.: $A_2=-0.02$ 5, $A_4=0.06$ 4 (1992De41).
								$\delta: 1/\delta=+0.01$ +9-1 or $\delta=-0.41$ 10 (1992De41).
		1823.84 2	0.71 4	657.755	2 ⁺	M1+E2		Mult.: $A_2=-0.15$ 3, $A_4=0.02$ 4. $\delta: -0.70$ 9 or -4.9 +24-11 (1992De41), -0.70 10 or -5.2 20 (1990Ar20).
2539.69	5 ⁻	460.83 [‡] 17		2078.878	3 ⁻	(E2) [@]		
		997.24 4	1.40 20	1542.444	4 ⁺	E1		Mult.: $A_2=-0.17$ 2, $A_4=+0.04$ 3.
2561.29	4 ⁺	1018.7 5	0.08 3	1542.444	4 ⁺	M1+E2 [@]	-0.49 +16-19	δ : From 2001Co01 .
		1085.54 8	0.47 3	1475.796	2 ⁺	E2		Mult.: $A_2=+0.36$ 4, $A_4=-0.10$ 5.
		1903.7 3	0.08 2	657.755	2 ⁺	E2 [@]		$I_\gamma: 0.13$ 1 in 2001Co01 .
2566.46	2 ⁺ ,3 ⁺	782.8 2	0.14 2	1783.512	2 ⁺			
		1908.70 6	0.48 3	657.755	2 ⁺			Mult.: $A_2=+0.12$ 5, $A_4=+0.08$ 6 (1992De41).
2633.20	(2 ⁺ ,3 ⁺)	1090.83 10	0.23 2	1542.444	4 ⁺			Mult.: $A_2=+0.25$ 10, $A_4=-0.01$ 12 (1992De41).
								$\delta: -0.15$ 10 or +1.4 3 (1992De41).
		1157.24 [‡] 17		1475.796	2 ⁺			
		1975.42 5	0.55 5	657.755	2 ⁺	E2		Mult.: $A_2=+0.43$ 4, $A_4=0.00$ 4.
2649.95	1 ⁻	1176.8 2	0.18 2	1473.088	0 ⁺			$I_\gamma: 0.058$ 2 in 2001Co01 .
		2649.92 6	0.56 5	0.0	0 ⁺	E1		Mult.: $A_2=-0.09$ 4, $A_4=0.00$ 5.
2659.88	(5) ⁻	120.21 10	0.28 5	2539.69	5 ⁻			
		409.1 ^{&} 4	0.07 ^{&} 2	2250.54	4 ⁺			
		1117.44 12	0.48 8	1542.444	4 ⁺			
2662.00	0 ⁺	1186.13 [‡] 5		1475.796	2 ⁺			E_γ : Depopulate 2661.06 keV level in 1992De41 .
		2004.33 [‡] 6		657.755	2 ⁺			E_γ : Depopulate 2662.18 keV level in 1992De41 .
2705.65	4 ⁺	1163.2 2	0.49 4	1542.444	4 ⁺	M1+E2	-0.03 +6-9	Mult., $\delta: A_2=+0.32$ 5, $A_4=-0.03$ 6. Other: E2 deduced from $\gamma(\theta)$ in 2001Co01 .
2707.45	4 ⁺	544.65 7	0.22 2	2162.806	3 ⁺	M1+E2		$I_\gamma: 0.17$ 1 in 2001Co01 .
								Mult.: $A_2=-0.28$ 10, $A_4=+0.01$ 12. $\delta: -0.03$ 5 or -5.5 +24-10 (1992De41).
		1164.9 2	0.39 4	1542.444	4 ⁺	M1+E2	-0.07 +10-7	Mult.: $A_2=+0.39$ 11, $A_4=+0.02$ 14.
2758.26	3 ⁺	402.4 ^b 2	0.19 3	2355.787	2 ⁺			E_γ : Not observed in 2001Co01 .
		1282.45 8	0.42 3	1475.796	2 ⁺	M1+E2	+0.32 5	
		2100.6 5	0.14 4	657.755	2 ⁺			
2787.30	2 ⁺	305.8 2	0.07 2	2481.602	(2 ⁺)			
		2129.52 5	0.44 3	657.755	2 ⁺	M1+E2		Mult.: $A_2=-0.31$ 5, $A_4=-0.02$ 5. mult=(M1) in 2001Co01 .
								$\delta: +0.18$ 10-7 or +1.5 3.
		2788.1 10	0.07 2	0.0	0 ⁺			

Continued on next page (footnotes at end of table)

$^{110}\text{Cd}(n,n'\gamma)$ **1992De41,2001Co01** (continued) $\gamma(^{110}\text{Cd})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult. #	Comments
2793.48		573.3 5 630.6 2 715.5 10 1251.0 4 (182.8 6)	<0.1 0.16 3 0.04 2 0.12 2	2220.082 2162.806 2078.878 1542.444 2659.88	4+ 3+ 3- 4+ (5)-		E_γ : Not observed in 2001Co01.
2842.68	5-						E_γ : From 2001Co01. Not observed by the authors due to the attenuation of low-energy γ -rays in the sample but taken from literature. I_γ : 0.02 1 in 2001Co01.
2869.08	2+	409.1& 4 1300.3 2 1085.49‡ 5 2211.53 9 2870.6 10	0.07& 2 0.26 5 0.35 2 0.05 2	2433.269 1542.444 1783.512 657.755 0.0	3+ 4+ 2+ 2+ 0+	(E1) @ E2 @ M1+E2	δ : +1.8 7 or +0.10 +22-13 (1992De41). E_γ : Not observed in 2001Co01.
2876.9		1334.4 5	0.05 2	1542.444	4+		
2879.10	(7-)	399.1 2	0.16 2	2480.00	6+		
2896.07?		356.38& 8	0.15& 2	2539.69	5-		
2917.62	2+,3-	356.38& 8 1441.9& 2259.5 2	0.15& 2 <0.30& 0.13 2	2561.29 1475.796 657.755	4+ 2+ 2+		Mult.: $A_2=-0.10$ 6, $A_4=-0.03$ 7 (1992De41). I_γ : 0.25 2 in 2001Co01.
2926.75	5+	705.2 10 763.95 9	0.06 2	2220.082 2162.806	4+ 3+		E_γ : Not observed in 2001Co01. E_γ : From 2001Co01, $I_\gamma \approx$ same as 705.2 keV transition observed only in 1992De41.
2975.28	1+,2+	1384.5 5 2317.50 8	0.08 2 0.22 2	1542.444 657.755	4+ 2+	M1+E2	δ : $1/\delta=+0.26 +13-10$ or $\delta=-0.16$ 12 (1992De41) if $J^\pi=2^+$.
2984.63	3+	2975.6 8 905.7 2 1441.9& 2326.9 2	0.033 10 0.08 2 <0.30& 0.12 2	0.0 2078.878 1542.444 657.755	0+ 3- 4+ 2+		Mult.: $A_2=-0.10$ 6, $A_4=-0.03$ 7 (1992De41). E_γ : Not observed in 2001Co01. Mult.: $A_2=-0.50$ 18, $A_4=+0.02$ 18. δ : -1.9 +12-7 or -0.3 +3-2 (1992De41).
2993.64	(0+)	1517.83‡ 17		1475.796	2+		
2994.07	(3+,4+)	1451.62‡ 8		1542.444	4+		
3008.4?		2350.7 10 3008.3 10	0.05 2 0.04 2	657.755 0.0	2+ 0+		
3042.86	(2+)	1566.92‡ 10 2385.22 11 3042.98 28		1475.796 657.755 0.0	2+ 2+ 0+		E_γ : From 2001Co01, 2385.1 keV 5 in 1992De41. E_γ : From 2001Co01, 3044.0 keV 2 in 1992De41.
3063.94		270.4 2 584.0 2	0.07 2 0.10 5	2793.48 2480.00	6+		
3078.22	1+,2+	1602.8 5 2420.5 3 3077.6 5	0.06 2 0.11 2 0.08 2	1475.796 657.755 0.0	2+ 2+ 0+		
3101.99	1,2+	184.4 2 2444.1 4	0.10 2 0.13 2	2917.62 657.755	2+,3- 2+		
3122.2	6+	1579.7 3	0.12 2	1542.444	4+		
3135.17	2+,3+	1592.7& 3 2477.39 7	0.09& 2 0.30 2	1542.444 657.755	4+ 2+	M1+E2	Mult.: $A_2=+0.31$ 7, $A_4=-0.02$ 7. δ : +0.23 +19-10 or +1.4 4 (1992De41).
3171.19		2513.4 2	0.19 2	657.755	2+		
3193.0	1,2,3	1030.0 5 2535.4 4	0.09 3 0.18 2	2162.806 657.755	3+ 2+		
3256.48	2,3+	2598.69 14	0.25 2	657.755	2+		Mult.: $A_2=+0.30$ 10, $A_4=+0.14$ 10. δ : +0.02 129 or +2.2 7 for $J^\pi=2^+$ (1992De41).

Continued on next page (footnotes at end of table)

$^{110}\text{Cd}(n,n'\gamma)$ **1992De41,2001Co01** (continued) $\gamma(^{110}\text{Cd})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Comments
3277.79		2620.00 <i>14</i>	0.12 2	657.755	2 ⁺	
3298.13		2640.1 7	0.06 2	657.755	2 ⁺	
		3298.1 2	0.09 2	0.0	0 ⁺	
3314.31	1 ⁺ ,2 ⁺	1838.2 <i>4</i>	0.04 2	1475.796	2 ⁺	
		2656.6 2	0.08 2	657.755	2 ⁺	
		3315.2 ^b 7	0.028 9	0.0	0 ⁺	
3340.82		2683.03 <i>14</i>	0.13 2	657.755	2 ⁺	
3359.06		3359.0 2	0.16 2	0.0	0 ⁺	
3366.8		2709.0 <i>4</i>	0.10 2	657.755	2 ⁺	
3403.7	(1 ⁻)	2745.9 8	0.06 2	657.755	2 ⁺	
3427.5		548.4 ^{&} 2	0.08 ^{&} 2	2879.10	(7 ⁻)	
3449.6		1973.8 3	0.13 4	1475.796	2 ⁺	
3466.1	1 ⁺ ,2 ⁺	2808.3 5	0.11 2	657.755	2 ⁺	
3475.6	1 ⁺ ,2 ⁺	3475.5 <i>4</i>	0.07 2	0.0	0 ⁺	
3493.1		2835.3 <i>4</i>	0.14 2	657.755	2 ⁺	
3598.0		3597.9 7	0.05 2	0.0	0 ⁺	
3772.8		3772.7 <i>10</i>	0.04 2	0.0	0 ⁺	

[†] From **1992De41** ($I_\gamma(657.75)=100$), unless otherwise stated.

[‡] Only observed in **2001Co01**.

[#] From **1992De41**, deduced from $\gamma(\theta)$, unless otherwise stated.

[@] From **2001Co01**, deduced from $\gamma(\theta)$.

[&] Multiply placed with undivided intensity.

^a Multiply placed with intensity suitably divided.

^b Placement of transition in the level scheme is uncertain.

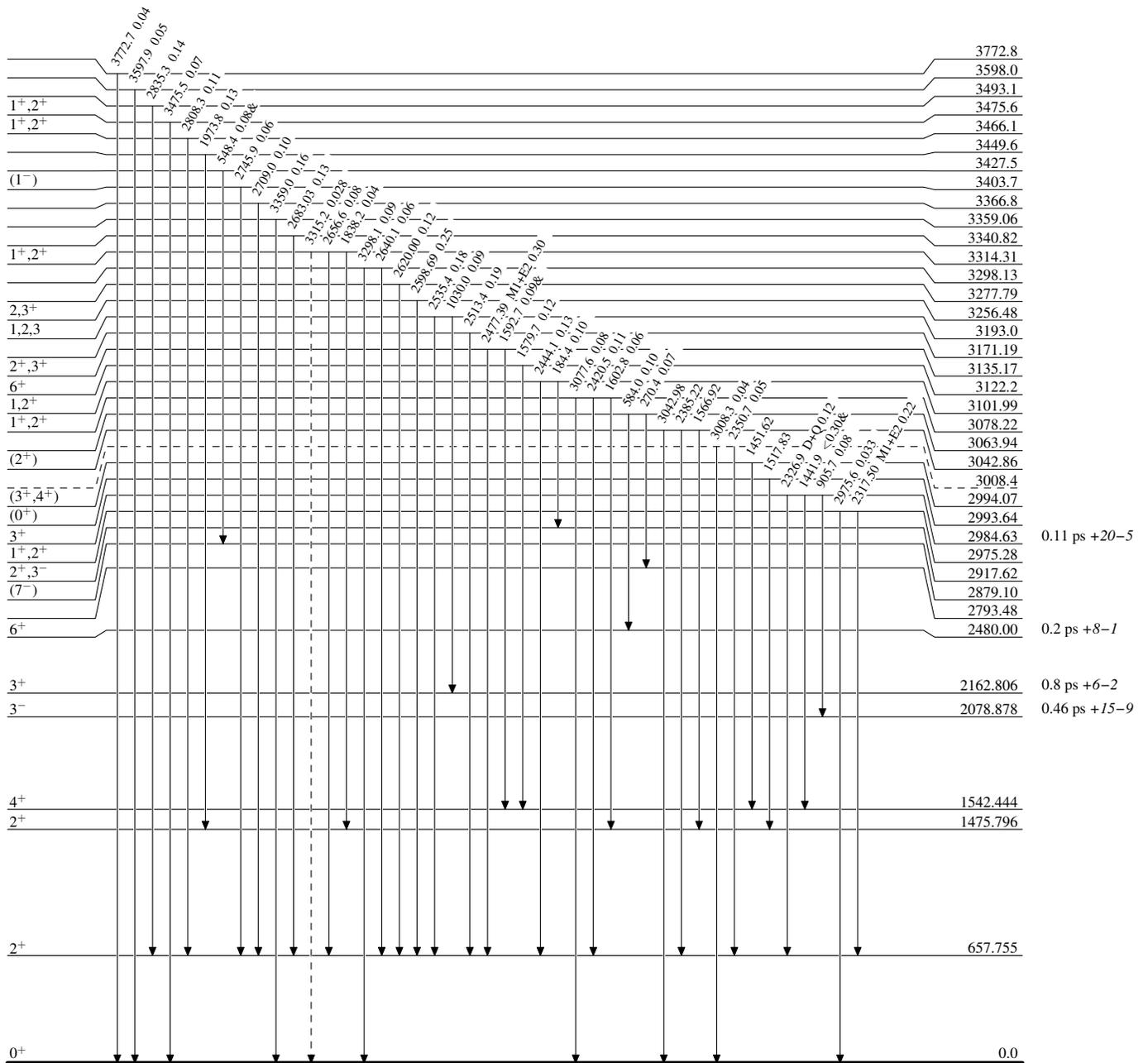
^x γ ray not placed in level scheme.

$^{110}\text{Cd}(n,n'\gamma)$ 1992De41,2001Co01

Legend

Level Scheme

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

-----► γ Decay (Uncertain) $^{110}_{48}\text{Cd}_{62}$

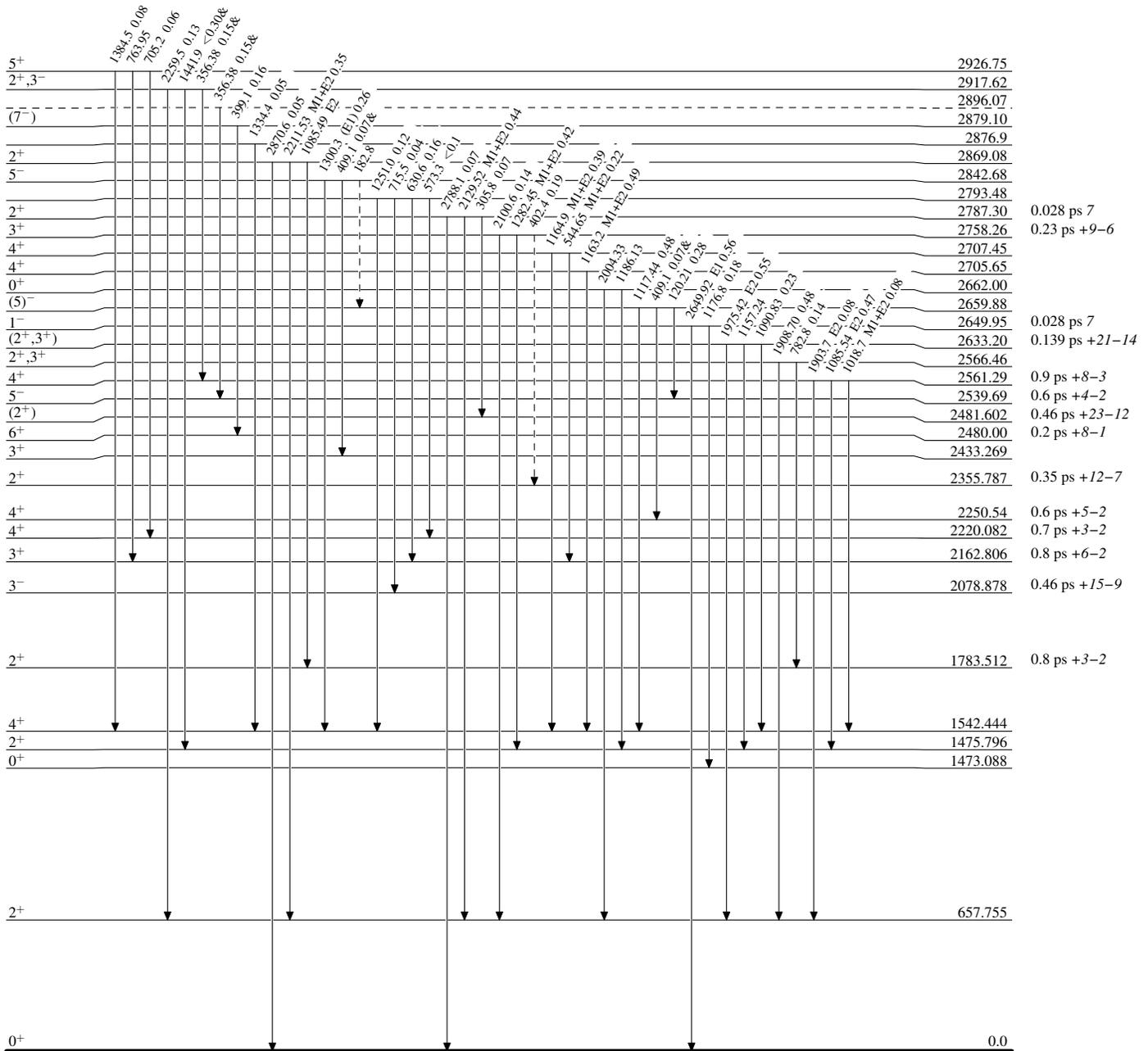
¹¹⁰Cd(n,n'γ) 1992De41,2001Co01

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

-----▶ γ Decay (Uncertain)

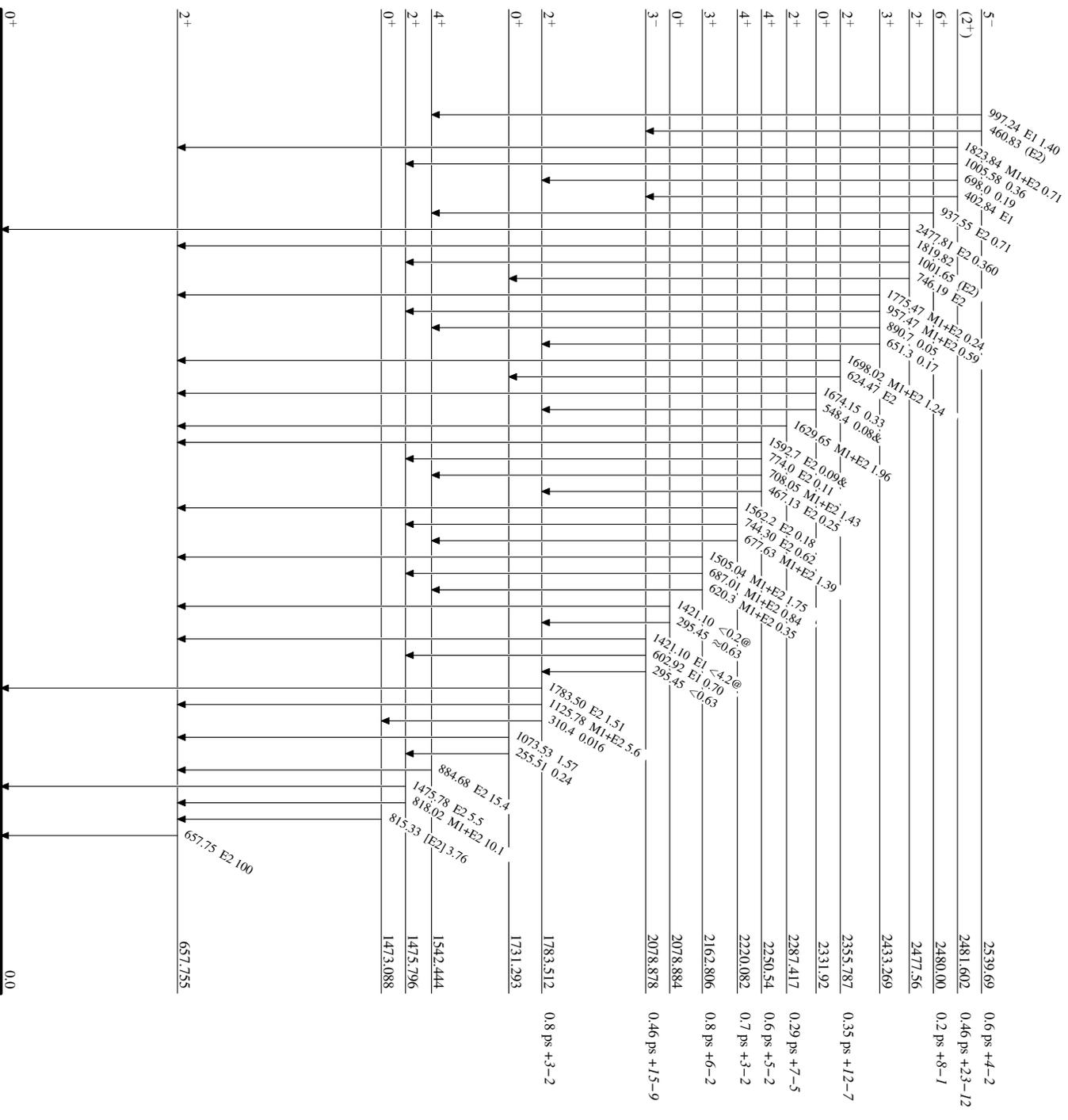


¹¹⁰₄₈Cd₆₂

¹¹⁰Cd(n,γ) **1992De41,2001Co01**

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



¹¹⁰Cd₆₂⁻⁹