

$^{110}\text{Cd}(\text{n},\gamma) \text{E}=0.02\text{-}1 \text{ keV}$ **1986Ba72,1987BaYW**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 110, 1239 (2009)	1-Feb-2008

Enriched ^{110}Cd 95.6%. ^{111}Cd Levels

E(level)	$J^{\pi\dagger}$	E(level)	$J^{\pi\dagger}$	E(level)	$J^{\pi\dagger}$	E(level)	$J^{\pi\dagger}$
0	$1/2^+$	1116.4 16	$3/2^+, 5/2^+$	1546.5 16	$3/2^+$	2045.3 11	$3/2^+$
243.5 16	$5/2^+$	1189.6 10	$1/2^+$	1551.5 21	$(3/2^+)$	2281.3 10	$1/2^+, 3/2^+$
340.9 10	$3/2^+$	1326.4 7	$3/2^+$	1739.8 7	$3/2^+$	2326.6 10	$1/2, 3/2$
865.8 7	$3/2^+$	1340.0 7	$1/2^+, 3/2^+$	1789.5 7	$3/2^+$	(6975.5 5)	
1016.4 9	$3/2^+$	1391.3 7	$3/2^+$	1828.7 16	$3/2^+$		
1078.4 7	$3/2^+$	1472.9 8	$3/2^+$	1843.2 10	$1/2^+, 3/2^+$		

 $\dagger$ From Adopted Levels. $\gamma(^{111}\text{Cd})$

$E_{\gamma}^{\dagger}$	I_{γ}	$E_i(\text{level})$	E_f	J_f^{π}	$E_{\gamma}^{\dagger}$	I_{γ}	$E_i(\text{level})$	E_f	J_f^{π}
4648.9 8	135 34	(6975.5)	2326.6	$1/2, 3/2$	5635.5 5	159 38	(6975.5)	1340.0	$1/2^+, 3/2^+$
4694.2 8	111 28	(6975.5)	2281.3	$1/2^+, 3/2^+$	5649.1 5	260 52	(6975.5)	1326.4	$3/2^+$
4930.2 10	168 42	(6975.5)	2045.3	$3/2^+$	5785.9 8	30 9	(6975.5)	1189.6	$1/2^+$
5132.3 8	248 60	(6975.5)	1843.2	$1/2^+, 3/2^+$	5859.1 15	74 18	(6975.5)	1116.4	$3/2^+, 5/2^+$
5146.8 15	199 40	(6975.5)	1828.7	$3/2^+$	5897.1 5	191 28	(6975.5)	1078.4	$3/2^+$
5186.0 5	56 14	(6975.5)	1789.5	$3/2^+$	5959.1 7	111 39	(6975.5)	1016.4	$3/2^+$
5235.7 5	98 25	(6975.5)	1739.8	$3/2^+$	6109.7 5	206 36	(6975.5)	865.8	$3/2^+$
5424.0 20	24 7	(6975.5)	1551.5	$(3/2^+)$	6634.6 8	97 18	(6975.5)	340.9	$3/2^+$
5429.0 15	72 13	(6975.5)	1546.5	$3/2^+$	6732.0 15	23 6	(6975.5)	243.5	$5/2^+$
5502.6 7	145 29	(6975.5)	1472.9	$3/2^+$	6975.5 5	100	(6975.5)	0	$1/2^+$
5584.2 5	91 17	(6975.5)	1391.3	$3/2^+$					

 $\dagger$ Only primary γ are given.

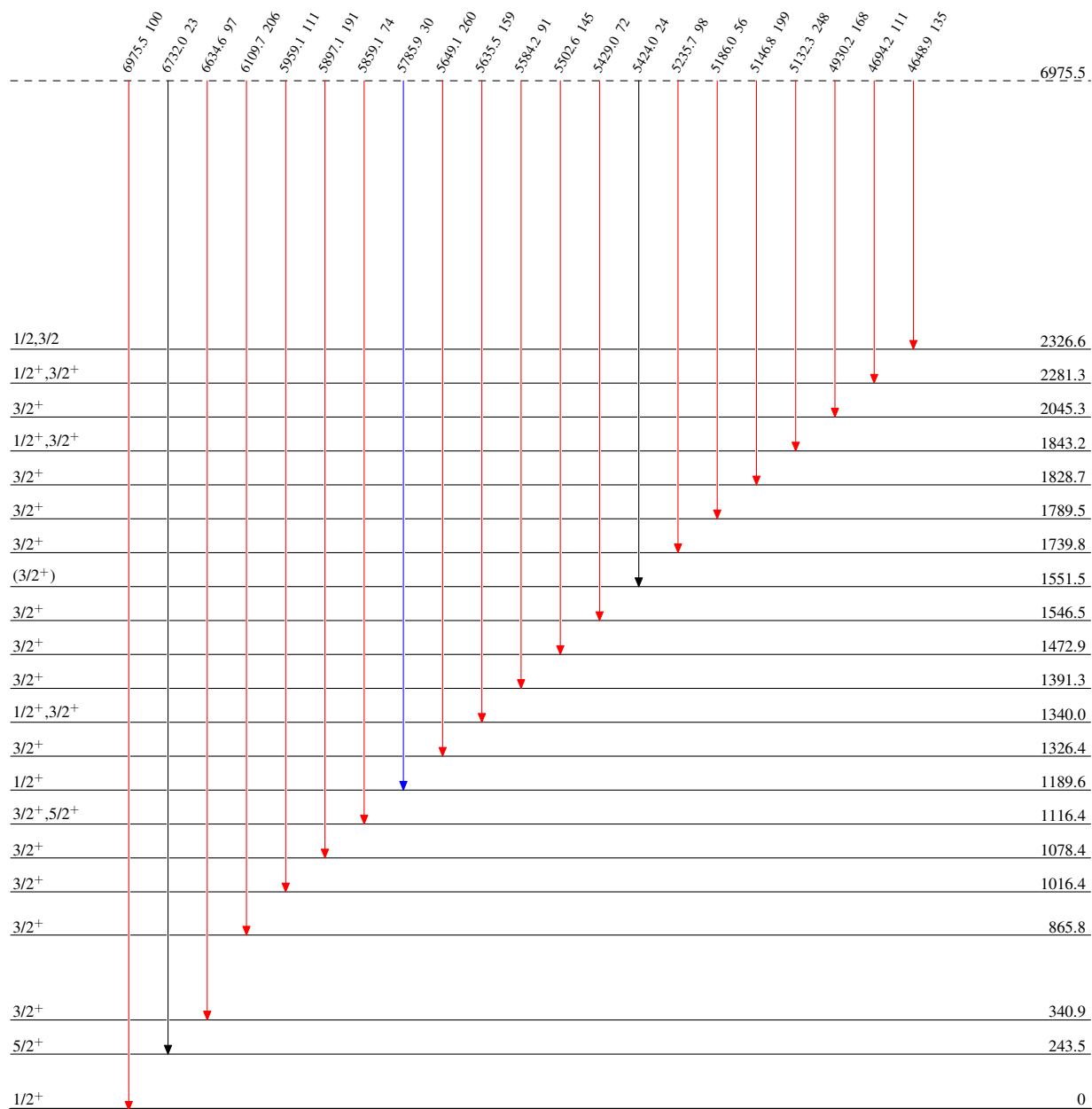
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Level Scheme

Intensities: Type not specified

Legend

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

 $^{111}_{48}\text{Cd}_{63}$