

$^{238}\text{U}(^7\text{Li,F})$ 1990DuZW

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	K. Kitao	NDS 75,99 (1995)	1-Feb-1993

Measured: prompt γ 's from $^{238}\text{U}(^7\text{Li,F})$; $\gamma\gamma$ coin with multi-Ge-detector array system.
 Other: ^{252}Cf SF decay (1970ChZH).

 ^{118}Cd Levels

<u>E(level)[†]</u>	<u>J^π#</u>	<u>E(level)[†]</u>	<u>J^π#</u>	<u>E(level)[†]</u>	<u>J^π#</u>	<u>E(level)[†]</u>	<u>J^π#</u>
0.0 [‡]	0 ⁺	1270	2 ⁺	2223	(4,5)	3018 [‡]	(10 ⁺)
488 [‡]	2 ⁺	1929	(3,4)	2591 [‡]	(8 ⁺)	3579 [‡]	(12 ⁺)
1165 [‡]	4 ⁺	1936 [‡]	6 ⁺	2640	(6,7,8)	4367 [‡]	(14 ⁺)

[†] From 1990DuZW. No intensities were given by authors.

[‡] Member of yrast band.

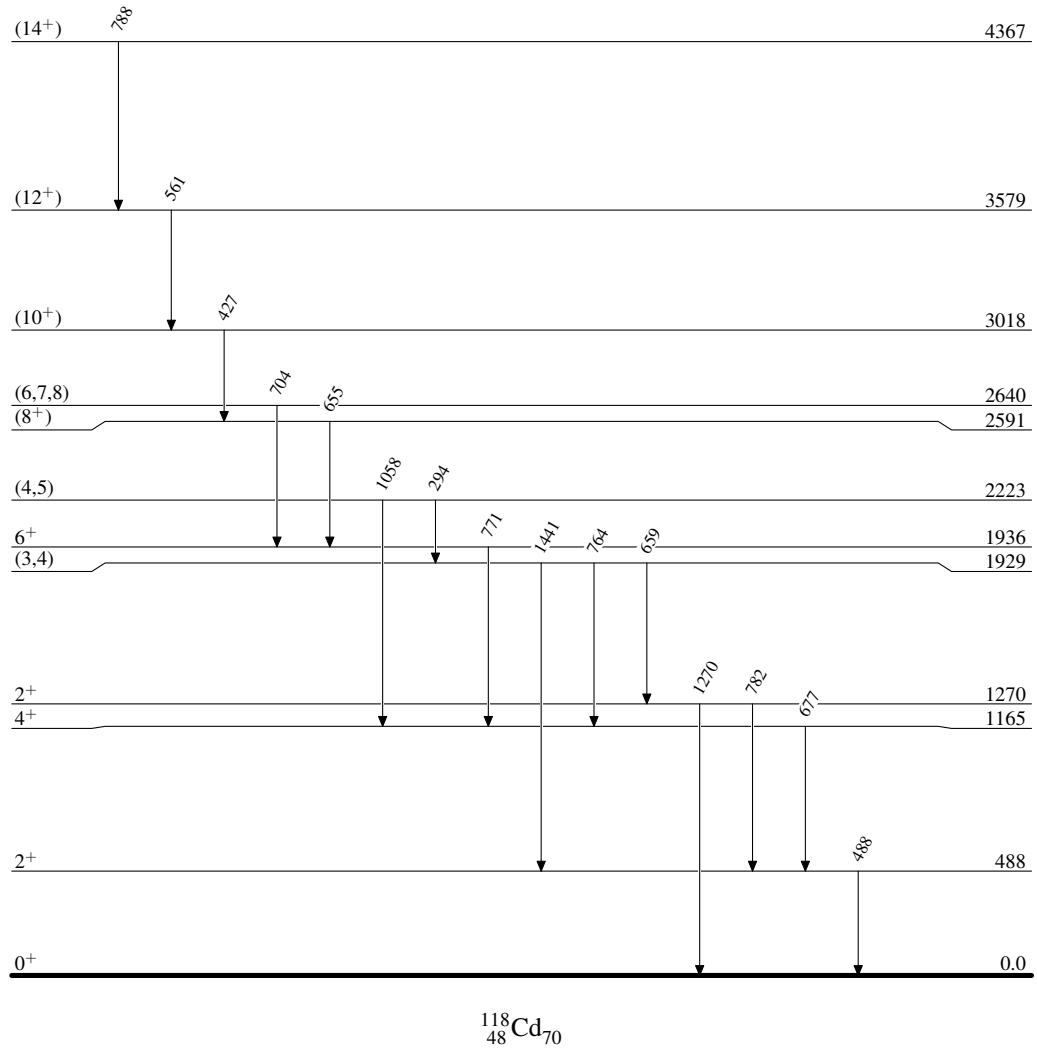
[#] Given by authors based on results from $\gamma\gamma$ coin and expected band structure.

 $\gamma(^{118}\text{Cd})$

<u>E_γ</u>	<u>E_i(level)</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>	<u>E_γ</u>	<u>E_i(level)</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
294	2223	(4,5)	1929	(3,4)	764	1929	(3,4)	1165	4 ⁺
427	3018	(10 ⁺)	2591	(8 ⁺)	771	1936	6 ⁺	1165	4 ⁺
488	488	2 ⁺	0.0	0 ⁺	782	1270	2 ⁺	488	2 ⁺
561	3579	(12 ⁺)	3018	(10 ⁺)	788	4367	(14 ⁺)	3579	(12 ⁺)
655	2591	(8 ⁺)	1936	6 ⁺	1058	2223	(4,5)	1165	4 ⁺
659	1929	(3,4)	1270	2 ⁺	1270	1270	2 ⁺	0.0	0 ⁺
677	1165	4 ⁺	488	2 ⁺	1441	1929	(3,4)	488	2 ⁺
704	2640	(6,7,8)	1936	6 ⁺					

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Level Scheme

 $^{118}_{48}\text{Cd}_{70}$