

$^{238}\text{U}(^7\text{Li},\text{X}\gamma)$ 1989DuZW

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	T. Tamura	NDS 108, 455 (2007)	30-Sep-2006

1989DuZW: $^{238}\text{U}(^7\text{Li},\text{f})$; fission fragments; TESSA Ge detector array; prompt γ 's from fission fragments were measured in $\gamma\gamma$ -coin mode; deduced yrast states, $J^\pi=0^+, 2^+, 4^+, (6^+)$ and (8^+) in analogy with ^{100}Mo - ^{108}Mo , ^{104}Ru - ^{112}Ru , ^{108}Pd - ^{116}Pd and ^{114}Cd - ^{120}Cd .

 ^{122}Cd Levels

<u>E(level)[†]</u>	<u>J^π[‡]</u>
0.0	0^+
570.0 10	2^+
1330.0 15	(4^+)
1979.0 18	$(3,4^+)$
2178.0 18	(6^+)
2823.0 20	(8^+)

[†] From 1989DuZW.

[‡] From Adopted Levels.

 $\gamma(^{122}\text{Cd})$

<u>E_γ[†]</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
570	570.0	2^+	0.0	0^+
645	2823.0	(8^+)	2178.0	(6^+)
649	1979.0	$(3,4^+)$	1330.0	(4^+)
760	1330.0	(4^+)	570.0	2^+
848	2178.0	(6^+)	1330.0	(4^+)

[†] From 1989DuZW.

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Level Scheme

