

$^{238}\text{U}(\text{P,F}\gamma)$:prompt γ 2013DrZY

Type	Author	History Citation	Literature Cutoff Date
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2013DrZY: E(p)=25 MeV from accelerator at University of Jyvaskyla. Measured prompt $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin using JUROGAM-II array of 24 Clovers and 15 single-crystal Ge detectors. Target=74 mg/cm² thick ^{238}U . Comparison with shell-model calculations.

 ^{84}Se Levels

<u>E(level)[†]</u>	<u>$J^{\pi\ddagger}$</u>	<u>E(level)[†]</u>	<u>$J^{\pi\ddagger}$</u>	<u>E(level)[†]</u>	<u>$J^{\pi\ddagger}$</u>	<u>E(level)[†]</u>	<u>$J^{\pi\ddagger}$</u>
0.0	0 ⁺	3371.0	6 ⁺	4405.5	7 ⁺	5329.9	8 ⁺
1454.5	2 ⁺	3536.6	5 ⁺	4641.0		6414.4	(9,10)
2121.3	4 ⁺	3700.7	6 ⁺	4898.1	6 ⁺		

[†] From $E\gamma$ data.

[‡] As listed in 2013DrZY.

 $\gamma(^{84}\text{Se})$

<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>	<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
164.1	3700.7	6 ⁺	3536.6	5 ⁺	1270.0	4641.0		3371.0	6 ⁺
666.8	2121.3	4 ⁺	1454.5	2 ⁺	1361.5	4898.1	6 ⁺	3536.6	5 ⁺
704.8	4405.5	7 ⁺	3700.7	6 ⁺	1415.3	3536.6	5 ⁺	2121.3	4 ⁺
924.4	5329.9	8 ⁺	4405.5	7 ⁺	1454.5	1454.5	2 ⁺	0.0	0 ⁺
1084.5	6414.4	(9,10)	5329.9	8 ⁺	1579.4	3700.7	6 ⁺	2121.3	4 ⁺
1249.7	3371.0	6 ⁺	2121.3	4 ⁺					

$^{238}\text{U}(\text{P,F}\gamma)\text{:prompt } \gamma$ 2013DrZYLevel Scheme