

$^{238}\text{U}(\text{p},\text{F})$ **2013DrZY**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	A. Negret and B. Singh		NDS 203,283 (2025)	20-Jan-2025

2013DrZY: E(p)=25 MeV from accelerator at University of Jyväskylä. 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 .

 ^{86}Se 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>
0.0	0 ⁺	2073.4	4 ⁺	3062.8	(5 ⁻)	4098.0
704.1	2 ⁺	2846.4		3301.3		5104.0
1567.9	4 ⁺	3032.9	(4 ⁺ ,5 ⁺ ,6 ⁺)	4090.0		

[†] From $E\gamma$ data.

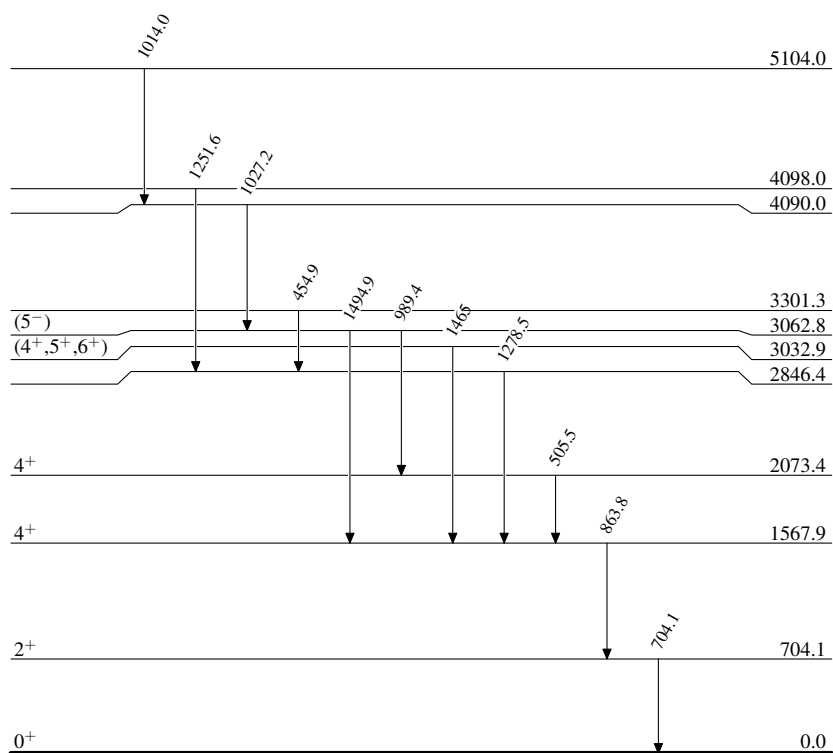
[‡] As given by **2013DrZY**.

 $\gamma(^{86}\text{Se})$

<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>
454.9	3301.3		2846.4		1027.2	4090.0		3062.8	(5 ⁻)
505.5	2073.4	4 ⁺	1567.9	4 ⁺	1251.6	4098.0		2846.4	
704.1	704.1	2 ⁺	0.0	0 ⁺	1278.5	2846.4		1567.9	4 ⁺
863.8	1567.9	4 ⁺	704.1	2 ⁺	1465	3032.9	(4 ⁺ ,5 ⁺ ,6 ⁺)	1567.9	4 ⁺
989.4	3062.8	(5 ⁻)	2073.4	4 ⁺	1494.9	3062.8	(5 ⁻)	1567.9	4 ⁺
1014.0	5104.0		4090.0						

[†] From **2013DrZY**.

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Level Scheme

 $^{86}_{34}\text{Se}_{52}$