

⁷⁴Se(n,γ) E=271.5 eV [1981En07](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh		NDS 114, 841 (2013)	30-Jun-2013

E=271.5 eV. Natural target.

⁷⁵Se Levels

E(level)	J ^π [†]	Comments
293.1 4	1/2 ⁻	
895.8 13	1/2 ⁻ , 3/2 ⁻	
962.8 5	3/2 ⁻	
8027.87 7	1/2 ⁺	E(level): S(n)+271.5 eV; S(n)=8027.60 7 (2012Wa38). J ^π : s-wave resonance.

[†] From Adopted Levels.

γ(⁷⁵Se)

E _γ	I _γ [†]	E _i (level)	J _i ^π	E _f	J _f ^π
7064.4 4	3.3 3	8027.87	1/2 ⁺	962.8	3/2 ⁻
7131.3 12	3.0 3	8027.87	1/2 ⁺	895.8	1/2 ⁻ , 3/2 ⁻
7734.0 1	12.9 14	8027.87	1/2 ⁺	293.1	1/2 ⁻

[†] Intensity per 100 neutron captures.

$^{74}\text{Se}(\text{n},\gamma) \text{ E}=271.5 \text{ eV} \quad 1981\text{En07}$

Level Scheme

Intensities: Per 100 N-captures

Legend

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

