

⁷⁷Se(n,γ) E=864.0 eV 1981En07

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ameenah R. Farhan, Balraj Singh		NDS 110, 1917 (2009)	30-Jun-2009

Natural target.

⁷⁸Se Levels

E(level) ^{†‡}	J ^π	Comments
1308.8 3 (S(n)+0.864)	2 ⁺ (1 ⁻)	J ^π : based on assumption of s-wave capture, also γ to 2 ⁺ .

[†] Resonance energy is from 2006MuZX evaluation.
[‡] S(n)=10497.73 17 (2009AuZZ), 10497.81 16 (2003Au03).

γ(⁷⁸Se)

E _γ [‡]	I _γ ^{†#}	E _i (level)	J _i ^π	E _f	J _f ^π
9188.5 1	3.4 7	(S(n)+0.864)	(1 ⁻)	1308.8	2 ⁺

[†] Uncertainties are purely statistical. A systematic uncertainty of 30% should Be included according to the authors.
[‡] For thermal capture.
[#] Intensity per 100 neutron captures.

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Level Scheme

Intensities: I_γ per 100 neutron captures

