^{77}Se(n,γ) E=211.6 eV 1981En07

History

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

Natural target.

^{78}Se Levels

E(level)[†‡]	J$^{\pi}$[#]
3440.0 *4*	1
4153.2 *4*	1
4245.4 *5*	1
4366.5 *3*	1
(S(n)+0.2117)	0$^-$

† Resonance data are from 2006MuZX evaluation.
‡ S(n)=10497.73 *17* (2009AuZZ), 10497.81 *16* (2003Au03).
# γ from 0$^-$ resonance.

γ(^{78}Se)

E$_\gamma$[‡]	I$_\gamma$[†#]	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
6131.1 *1*	1.0 *1*	(S(n)+0.2117)	0$^-$	4366.5	1
6252.2 *3*	1.2 *3*	(S(n)+0.2117)	0$^-$	4245.4	1
6344.4 *2*	1.1 *1*	(S(n)+0.2117)	0$^-$	4153.2	1
7057.9 *2*	2.8 *2*	(S(n)+0.2117)	0$^-$	3440.0	1

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

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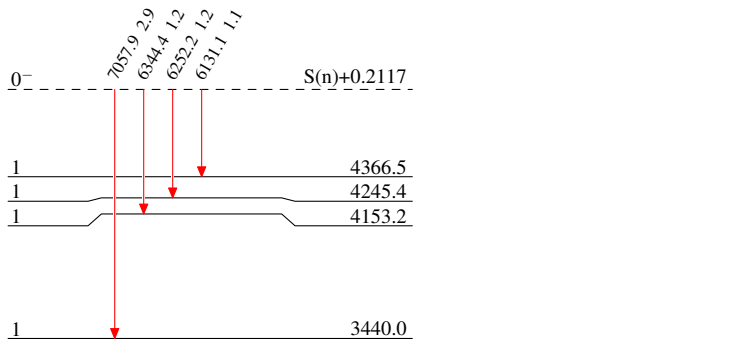
Level Scheme

Intensities: I_γ per 100 neutron captures



$^{78}_{34}Se_{44}$