

Coulomb excitation [2002AoZY](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni, M. Fadil, and B. Pfeiffer		NDS 110,2815 (2009)	30-Sep-2009

Pb($^{84}\text{Se}, ^{84}\text{Se}'$), E=38.6 MeV/nucleon. Beam produced in the fragmentation of 66-MeV/nucleon ^{86}Kr on Be target; γ spectra measured with 68 NaI(Tl) scintillators. Three more gamma ray energies were measured but not placed in the level scheme. No B(E2) values were reported.

 ^{84}Se Levels

E(level)	J^π^\dagger	Comments
0.0	0^+	
1455	(2^+)	
2122	(4^+)	J^π : level originally thought to be a 1^- by 2002AoZY . The level was later identified as (4^+) in γ spectroscopy studies.

† From Adopted Levels.

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

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
667	2122	(4^+)	1455	(2^+)
$^x \approx 1000$				
$^x \approx 1300$				
1455	1455	(2^+)	0.0	0^+
$^x \approx 1800$				

x γ ray not placed in level scheme.

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