^{80}Se(n,n′) 1984Ku09,1984Ko09

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 105, 223 (2005)	22-Jun-2005

Includes (n,n) and (pol n,n).

1984Ku09 (also 1984KuZW,1983Ko20): E=8, 10 MeV. Measured $\sigma(\theta)$, time-of-flight method, FWHM=120-150 keV, coupled-channel analysis using asymmetric-rotor model and rotation-vibration model.

1984Ko09: E≈1 MeV. Measured $\sigma(\theta)$, time-of-flight method, coupled-channel analysis.

1992Mu20: E<1.5 MeV. Analyzed $\sigma(\theta)$ for g.s. and first 2^+ state.

1990Go13: E=1.5, 2.0, 2.5, 3.0, 5.0 MeV. Analysis of $\sigma(\theta)$ data using coupled-channel analysis.

1983Fe05: E=0.728-1.268 MeV. Analysis of σ(E) data.

1983By04: E=8 MeV, analysis of $\sigma(\theta)$ data.

1983Bh01: (n,n) E=6-10 MeV. Deduced optical-model parameters.

1981Br23: E=8 MeV. Calculated $\sigma(\theta)$, reanalysis of data from 1976La12.

1980Ko17: (n,n) E=slow. Measured scattering to total ratio.

1979Ef01: E=low energy. Analysis of σ(E) data.

1976La12: E=8 MeV. Measured $\sigma(\theta)$, coupled-channel analysis. See reanalysis of data by 1984De01 and 1981Br23.

1965Ke03: (pol n,n) E=3.3 MeV.

1961Ts07: (n,n′) E=3.4-4.6 MeV.

^{80}Se Levels

E(level)†	J^π‡	Comments
0	0^+	
666	2^+	β_2=0.242 *10* or 0.247 *10* (deduced by 1988Ba35 from β_2R=1.25 *5* (1984Ku09)), 0.25 (1976La12). Data from 1976La12 reanalyzed by 1984De01 and 1981Br23 giving β_2R=1.34 *4* (1981Br23); β_2=0.265 *20* or 0.293 *25* (1984De01). Others: 0.225 (1990Go13), 0.25 (1979Ef01).
1450	2^+	
1478	0^+	
1701	4^+	
2718	3^-	β_3=0.151 *10* (from β_3R=0.78 *5* (1984Ku09)).

† From 1984Ku09.
‡ From 'Adopted Levels'.