^{74}Se(p,p),(p,p′) IAR   **1984Sh05**

History

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

E=2.8-4.5 MeV, measured $\sigma(\theta)$ at 90°, 125°, 165°. FWHM=11 keV.

The data presented are for elastic scattering.

E(level)′=E(level) renormalized to 291-keV level.

Authors assignments for ^{75}Se levels are based on comparison with (d,p) work.

^{75}Br Levels

E(level)[†]	J^π	Γ	L[‡]	S	Comments
7062 7	1/2⁻	15.1 keV 23	1	0.32	E(p)(lab)=2918 5, Γ_p=0.40 keV 4. Parent level=293, (1/2)⁻ in ^{75}Se.
7400 7	1/2⁺	9.0 keV 19	0	0.03	E(p)(lab)=3261 5, Γ_p=0.24 keV 3. Parent level=611, 1/2⁺ in ^{75}Se.
7903 7	1/2⁺	4.2 keV 35	0	0.01	E(p)(lab)=3770 5, Γ_p=0.13 keV 5.
7921 7	1/2⁻	9.5 keV 38	1	0.01	E(p)(lab)=3788 5, Γ_p=0.13 keV 4.
7990 7	1/2⁺	13.5 keV 24	0	0.016	E(p)(lab)=3857 5, Γ_p=0.47 keV 7.
8016 7	3/2⁻	7.3 keV 27	1	0.01	Parent level=1245, 3/2⁻ in ^{75}Se. E(p)(lab)=3885 5, Γ_p=0.11 keV 3.
8157 7	1/2⁺	29.3 keV 19	0	0.164	Parent level=1438, 1/2⁺ in ^{75}Se. E(p)(lab)=4028 5, Γ_p=5.9 keV 3.
8307 7	5/2⁺	19.9 keV 14	2	0.085	Parent level=1551, 3/2⁺,5/2⁺ in ^{75}Se. E(p)(lab)=4180 5, Γ_p=0.64 keV 3.
8384 7	5/2⁺	22.9 keV 28	2	0.048	Parent level=1589+1603, (3/2⁺,5/2⁺) in ^{75}Se. E(p)(lab)=4258 5, Γ_p=0.41 keV 4.
8503 7	5/2⁺	6.8 keV 34	2	0.01	Parent level=1808, (3/2⁺,5/2⁺) in ^{75}Se. E(p)(lab)=4379 5, Γ_p=0.08 keV 3.
8547 7	1/2⁺	9.5 keV 24	0	0.01	Parent level=1784, 1/2⁺ in ^{75}Se. E(p)(lab)=4423 5, Γ_p=0.52 keV 7.

[†] From E(p)(lab) and S(p)(^{75}Br)=4183 4 (2012Wa38).

[‡] From $\sigma(\theta)$.