

$^{76}\text{Se}(\text{p,n})$:IAS 1982Wo06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Jun Chen and Ameenah R. Farhan		NDS 194,3 (2024)	8-Jan-2024

Time-of-flight spectra obtained at E=19, 20, 22, 25 MeV. $\sigma(\theta)$ data analyzed using coupled-channel calculations.

 ^{76}Br Levels

E(level) [†]	J ^{π}	Comments
4900	(0 ⁺)	J ^{π} : analog of g.s. 0 ⁺ in ^{76}Se .
5400	(2 ⁺)	J ^{π} : analog of 559, 2 ⁺ level.
6100	(0 ⁺ , 2 ⁺ , 4 ⁺)	J ^{π} : triplet. Analogs of 1122, 0 ⁺ ; 1216, 2 ⁺ ; 1330, 4 ⁺ levels.
6500	(2 ⁺)	J ^{π} : analog of 1787, 2 ⁺ level.
6900	(4 ⁺)	J ^{π} : analog of 2026, 4 ⁺ level.
7200	(3 ⁻)	J ^{π} : analog of 2429, 3 ⁻ level.

[†] Identified as analogs of low lying levels in ^{76}Se . Uncertainty estimated to be about 100 keV by the evaluators.