

$^{75}\text{As}(\text{p},\text{n})$ IAR [1967Fa07](#),[1967Co04](#),[1974EI07](#)

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

[1967Fa07](#), [1966Fa03](#): E=2-5 MeV. Asymmetry in neutron resonance peaks observed at 4470 and 4580.

[1967Co04](#): E=3-5 MeV.

[1974EI07](#): E=2.91-3.59 MeV. Also give results on anomalies in cross sections in the $^{72}\text{Ge}(\alpha,\text{n})$ reaction at E=7.735-8.355 MeV.

Others: [1966Ke05](#); E. Finckh, U. Jahnke and B. Schreiber, Conference on Nuclear Isospin, Asilomar/Cal., Academic Press 1969 (not available to evaluators).

[1983Ra02](#): $^{75}\text{As}(\text{p},\text{n})$, E=1.7, 2.4 MeV. Measured cross sections.

 ^{76}Se Levels

E(level) [†]	Comments
12528	E(p)(lab)=3060, $\Gamma=28$, IAR of 44, (1) ⁺ level in ^{76}As . Assignment from 45 level proposed by 1974EI07 , 1967Fa07 and 1967Co04 incorrectly associated this resonance with ^{76}As 2 ⁻ g.s.
12578	E(p)(lab)=3101, $\Gamma=21$ keV, IAR of 87, 1 ⁺ level in ^{76}As .
12678	Energy from 1967Co04 . E(p)(lab)=3219, $\Gamma=23$ keV, IAR of 204 level in ^{76}As .
12718	E(p)(lab)=3250, $\Gamma=18$ keV.
12788	E(p)(lab)=3320, $\Gamma=20$ keV, IAR of 308 level in ^{76}As .
12888	E(p)(lab)=3420, $\Gamma=23$ keV, IAR of 402 level in ^{76}As .
12938	Energy from 1967Co04 . E(p)(lab)=3482, $\Gamma=16$ keV, IAR of 447, 457 or 471 level in ^{76}As .
13138	E(p)(lab)=3680, $\Gamma=35$ keV, IAR of 637 or 669 level in ^{76}As .
13278	E(p)(lab)=3820, $\Gamma=45$ keV, IAR of 786, 794 or 802 level in ^{76}As .
13418	E(p)(lab)=3960, $\Gamma=30$ keV, IAR of 925, 935 or 948 level in ^{76}As .
13478	E(p)(lab)=4020, $\Gamma=20$ keV, IAR of 986 or 1014 level in ^{76}As .
13528	E(p)(lab)=4070, $\Gamma=40$ keV, IAR of 1026, 1034 or 1064 level in ^{76}As .
13598	E(p)(lab)=4140, $\Gamma=28$ keV, IAR of 1097, 1105 or 1125 level in ^{76}As .
13728	E(p)(lab)=4280, $\Gamma=55$ keV, IAR of 1235 or 1245 level in ^{76}As .
13928	E(p)(lab)=4470, $\Gamma=62$ keV, IAR of 1444 or 1459 level in ^{76}As .
14038	E(p)(lab)=4580, $\Gamma=43$ keV, IAR of 1542, 1550 or 1571 level in ^{76}As .
14118	E(p)(lab)=4670, $\Gamma=28$ keV, IAR of 1631, 1638 or 1653 level in ^{76}As .
14198	E(p)(lab)=4750, $\Gamma=40$ keV, IAR of 1699, 1714 or 1727 level in ^{76}As .

[†] From E(p)(lab) in [1967Fa07](#) and S(p)(^{76}Se)=9506.7 9 ([2021Wa16](#)), unless otherwise stated. E(p)(lab) were converted to E(p)(c.m.). Uncertainty ≈ 10 keV (estimated by evaluators on the basis of ≈ 10 keV uncertainty on proton energies).