

$^{76}\text{Ge}(\text{p},\text{n})$  1970Fi03

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

E=3.2-5.4 MeV.

1970Fi03: time-of-flight method. Angular distributions measured.

1982AuZW report measurement of Gamow-Teller strength for double  $\beta^-$  decaying nuclei through  $^{76}\text{Ge}(\text{p},\text{n})$  reaction at E=135 MeV using neutron time-of-flight method. No details are yet available.

Other: 1966Tu02 give 14 levels up to 677 excitation energy.

Cross section data: 1989Ma35 (E=134 MeV) (deduced Gamow-Teller strengths), 1985Ku13 (E=9.1 MeV), 1984Ab05 (E=16 MeV).

 $^{76}\text{As}$  Levels

<u>E(level)<sup>†</sup></u>	<u>E(level)<sup>†</sup></u>	<u>E(level)<sup>†</sup></u>	<u>E(level)<sup>†</sup></u>
0	603	1090	1702
44	632	1098	1748
86	665	1118	1785
121	712	1147	1820
164	746	1177	1864
205	786	1227	1914
267	862	1255	1948
285	887	1310	1985
302	904	1352	2027
322	929	1392	2079
363	957	1452	2124
396	974	1485	2144
454	987	1560	2166
499	1007	1595	2202
511	1018	1640	2235
546	1058	1660	

<sup>†</sup> Uncertainty=5-10 keV (1970Fi03).