

$^{90}\text{Zr(p,n)}$ **1980Ba16,1988Bo43**

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|-----------------------------|---------|-------------------|------------------------|
| Full Evaluation | S. K. Basu, E. A. Mccutchan | | NDS 165, 1 (2020) | 1-Mar-2020 |

1988Bo43: E(p)=22.5 MeV. Measured $\sigma(\theta)$ with neutron time-of-flight, distorted wave analysis.

1996Gr07: E(p)=26 MeV. Measured neutron time-of-flight.

1980Ba16: E(p)=120 MeV. Measured $\sigma(\theta)$ with neutron time-of-flight, FWHM=660 keV. L values are from comparison with distorted wave calculations.

For polarization transfer in the (p,n)-reaction, see **1987Sa14**, **1987Ta22**.

For studies of the IAS of $^{90}\text{Zr(g.s.)}$, see **1971Be46** (E(p)=23 MeV), **1973Jo05** (E(p)=22, 30, 40 MeV), **1975Do08** (E(p)=25, 35, 45 MeV), **1976Go23** (E(pol p)=22.8 MeV).

 ^{90}Nb Levels

| E(level) [†] | L [†] | Comments |
|-----------------------|----------------|---|
| 350 | | E(level): From 1988Bo43 . |
| 1.0×10^3 | 2 | |
| 2.13×10^3 | 20 | E(level): from 1996Gr07 . |
| 3.0×10^3 | 3 | |
| 5.1×10^3 | 2 | E(level): IAS of $^{90}\text{Zr(g.s.)}$. |
| 8.7×10^3 | 3 | |
| 13.4×10^3 | 4 | (1) |
| 17.9×10^3 | 6 | 1 |

[†] From **1980Ba16**, except where noted.