

$^{90}\text{Zr}(\text{n},\text{n}')$ 1975Gu20,1990Wa13

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

1975Gu20: E=1.8-4.0 MeV. Measured $\sigma(E,\theta)$, neutron time-of-flight, enriched target.

1990Wa13: E=8.0, 10.0, 24.0 MeV. Measured $\sigma(E,\theta)$, neutron time-of-flight, FWHM=135, 188 and 410 keV for the three energies respectively, enriched target.

Others: 1972Le05, 1977Ba38, 1978Ba60, 1980Fi08, 1988Wa27, 1993Ji01.

For discussion of isotopic decomposition of matrix elements, see 1988Wa27, 1990Wa13.

 ^{90}Zr Levels

<u>E(level)[†]</u>	<u>L[‡]</u>	<u>β_{LR}[‡]</u>
0		
1749 15		
2169 15	2	0.44 3
2306 20	5	0.42 4
2732 20	3	0.86 5
3068 20		
3300 20		

[†] From 1975Gu20.

[‡] From 1990Wa13.