

$^{90}\text{Zr}(^{12}\text{C},^{13}\text{N}),(^{13}\text{C},^{14}\text{N})$ [1989Wi07,1987Ad07](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Balraj Singh	NDS 114, 1 (2013)	20-Oct-2012

[1989Wi07](#): E/A=50 MeV. Measured $\sigma(\theta)$, DWBA, FWHM \approx 1 MeV.

[1987Ad07](#): E=390 MeV. Measured $\sigma(\theta)$, DWBA, FWHM=800-1000 keV. Deduced reaction mechanism. In ^{14}N spectrum, five levels are shown to be populated, which seem to correspond to level energies given here.

 ^{89}Y Levels

<u>E(level)</u>	<u>Jπ[†]</u>	<u>S</u>	<u>Comments</u>
0	1/2 ⁻	2.2	S: C ² S (1989Wi07).
910	9/2 ⁺		
1510	3/2 ⁻		
1740	5/2 ⁻		
2220	5/2 ⁺		

[†] From Adopted Levels.