

${}^{90}\text{Zr}({}^{13}\text{C}, {}^{12}\text{B})$ 1988Vo08

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Coral M. Baglin	NDS 114, 1293 (2013)	1-Sep-2013

E=30 MeV/nucleon. Magnetic spectrometer. FWHM=1-2 MeV.

 ${}^{91}\text{Nb}$ Levels

<u>E(level)[†]</u>	<u>J^π[‡]</u>	<u>L</u>	<u>S[#]</u>
0	[9/2 ⁺]		0.9
3.37×10 ³	[5/2 ⁺]		0.38
4.77×10 ³	[9/2 ⁺]		0.34
6.1×10 ³		3,4	
8.9×10 ³			
12.1×10 ³			

[†] Additional peaks at 16.2 MeV ($\Gamma=6$ MeV) and 25.5 MeV ($\Gamma=11$ MeV) are observed. They are possibly due to high-lying unbound shells; σ is consistent with L=5 or 6 if S is in the range 0.4 to 1 (1988Vo08).

[‡] Value assumed for calculation of S; compatible with adopted values.

[#] Spectroscopic factor S from DWBA analysis.