

$^{96}\text{Zr}(^{12}\text{C},^{11}\text{C})$  1990HeZU

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	N. Nica	NDS 111, 525 (2010)	19-Nov-2009

 $^{97}\text{Zr}$  Levels

E=345 MeV.

Since the ( $^{12}\text{C},^{11}\text{C}$ ) reaction is sensitive to L=4 and L=5 transfer, the present data confirm that the bulk of the 1g7/2 and 1h11/2 neutron strengths are concentrated on the lowest 7/2<sup>+</sup> and 11/2<sup>-</sup> levels, respectively.

<u>E(level)<sup>†</sup></u>	<u>J<sup>π</sup><sup>‡</sup></u>	<u>Comments</u>
1265	7/2 <sup>+</sup>	
2234 <sup>#</sup>	7/2 <sup>+</sup>	
2265 <sup>#</sup>	11/2 <sup>-</sup>	
3731	7/2 <sup>+</sup>	J <sup>π</sup> : disagrees with L=5 in (d,p),(α, <sup>3</sup> He) data set.

<sup>†</sup> The authors quote literature values, their energy resolution was about 300 keV.

<sup>‡</sup> From 1990HeZU.

<sup>#</sup> Observed as a single doublet.