



Contribution ID: 114

Type: Talk

Evidence for the charged charmonium-like state Z_{c^+} from lattice QCD

Friday, 27 June 2014 15:15 (20 minutes)

We perform a lattice QCD simulation of the charmonium-like channel, where experiments recently found several manifestly exotic states named Z_{c^+} with flavor content $\bar{c} c \bar{d} u$. In addition to identifying all the scattering states we also observe an additional level in the simulation, which we attribute to Z_{c^+} .

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Session Classification: Hadron spectroscopy and interaction

Track Classification: Hadron Spectroscopy and Interactions