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Type: **Poster presentation**

Heavy flavored tetraquarks in a diquark-antidiquark configuration

Wednesday 7 September 2022 19:10 (20 minutes)

We systematically calculate the mass-spectra of tetraquarks $[c\bar{c}b\bar{b}]$ and $[bb\bar{c}\bar{c}]$ in a non-relativistic diquark-antidiquark model. The spin-dependent terms have been incorporated to describe the splitting structure for orbital and radial excitations. We have successfully obtained the experimentally observed B_c^\pm mesons to fit the model's parameters which are used to obtain the masses of tetraquarks. The masses of these tetraquarks are found to be in the range of 12.5 GeV- 13.5 GeV, and are compared with the two-meson threshold. The details of the study will be presented in the conference.

Is this abstract from experiment?

No

Name of experiment and experimental site

NA

Is the speaker for that presentation defined?

Yes

Details

Juhi Oudichhya

Internet talk

Maybe

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Session Classification: Poster Session