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Type: **Poster presentation**

Mass spectra of light-heavy tetraquarks

Thursday, October 7, 2021 6:35 PM (5 minutes)

We explore a semirelativistic model of tetraquarks $[Qq\bar{Q}\bar{q}]$ ($Q=b,c$ and $q=u,d$), which are considered to be compact and composed of pairs of diquarks $[Qq]$ and antidiquarks $[\bar{Q}\bar{q}]$.

The four-body problem is categorized into two-body problems by numerically solving the Schrödinger equation using a Cornell potential.

We compare some of the derived predictions for tetraquark masses to experimental tetraquark possibilities and find that $\psi(4660)$, $Z_b(10610)$, and $Z_b(10650)$ can all be explained by the model. The results will be presented at 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, SVNIT, Surat, Gujarat, India

Internet talk

Yes

Primary author: OUDICHHYA, Juhi (Sardar Vallabhbhai National Institute of Technology, Surat Guja)

Co-authors: Dr RAI, Ajay Kumar (SVNIT, Surat, Gujarat, India); Mr TIWARI, Rohit (Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, India)

Presenter: OUDICHHYA, Juhi (Sardar Vallabhbhai National Institute of Technology, Surat Guja)

Session Classification: Poster Session