



Contribution ID: 374

Type: **not specified**

Multiquark resonances

Friday 2 September 2016 17:50 (20 minutes)

The number of multiquark states and the amount of details on their properties has been growing over the years. It is very recent the discovery of two pentaquarks and the confirmation of four tetraquarks, two of which had not been observed before. We present some considerations attempting a coherent description of the so called X and Z resonances. The prominent problems plaguing theoretical models, like the absence of selection rules limiting the number of states predicted, motivate new directions in model building. Data are reviewed going through all of the observed resonances with particular attention to their common features and the purpose of providing a starting point to further research.

Summary

Primary author: Dr PILLONI, Alessandro (Jefferson Lab)

Presenter: Dr PILLONI, Alessandro (Jefferson Lab)

Session Classification: Section C

Track Classification: Section C: Heavy Quarks