

Overview of multiquark states

Tuesday, 26 September 2017 09:35 (35 minutes)

In this talk I will give a general overview on recent results from several groups on the spectrum and properties of three- and four-quark states as obtained in the framework of Dyson-Schwinger and Bethe-Salpeter equations. I will discuss the spectrum of light baryons with focus on the comparison with quark model expectations, the impact of dynamical mass generation and explain the importance of relativistic components in the wave functions of baryons. For four-quark systems I will summarise results for light quarks and discuss the prospects of the approach to discriminate between tetraquark, molecule or hadro-quarkonium configurations in heavy-light states.

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Session Classification: Plenary

Track Classification: Plenary session