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Hadron spectrum and Dyson-Schwinger equations

Friday, 20 September 2019 09:00 (30 minutes)

I will review progress in calculating the properties of mesons, baryons and tetraquarks using Dyson-Schwinger and Bethe-Salpeter equations. This includes the spectrum of light and strange baryons and their transition form factors as well as states dominated by four-quark dynamics such as the X(3872) and other heavy-light tetraquark candidates. I will discuss recent advances in determining resonance properties using contour deformations, which can also serve as a tool for calculating hadron properties on the light front.

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