

# XVth Quark Confinement and the Hadron Spectrum



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## Functional methods for hadron spectroscopy

*Wednesday 21 August 2024 09:30 (30 minutes)*

I will discuss recent applications of functional methods, in particular the combination of Dyson-Schwinger and Bethe-Salpeter equations, to hadron spectroscopy. There are various ongoing efforts in investigating the properties of exotic hadrons and multiquark states such as tetraquarks, pentaquarks and hexaquarks. Here I will mainly focus on four-quark states in the heavy-light sector and present first results on six-quark states such as the deuteron. Progress towards ab-initio calculations of hadron properties will also be highlighted.

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