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## Superconformal Algebraic Approach to Hadron Structure: The Perturbative-Nonperturbative Interface in QCD

*Monday 29 August 2016 16:30 (30 minutes)*

Essential nonperturbative dynamical features of QCD are well captured in a semiclassical effective theory based on the extension of superconformal quantum mechanics to the light-front and its holographic embedding in a higher dimensional gravity theory. This new approach to hadron physics incorporates confinement, the appearance of a massless pion, and Regge spectroscopy consistent with experiment. It also gives remarkable connections between the meson and baryon spectrum. In this talk I will discuss the extension of this approach to describe the structure of heavy-light bound states and the perturbative-nonperturbative interface in QCD.

### Summary

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