## XIIth Quark Confinement and the Hadron Spectrum



Contribution ID: 122

Type: not specified

## 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

Primary author: DE TERAMOND, Guy (University of Costa Rica)Presenter: DE TERAMOND, Guy (University of Costa Rica)Session Classification: Section A

Track Classification: Section A: Vacuum Structure and Confinement