



Theory Seminar

Monday, September 8, 2008 2:10 PM 831 Pupin Hall

"Holography: a tool for the LHC"

New strong interactions at the LHC are an exciting -and barely explored- possibility for New Physics. Spicing things up, electroweak constraints require such strong interactions to exhibit a richer structure than a rescaled version of QCD at the electroweak scale.

In this talk we use a simple framework, based on a 5D model with a modification of AdS geometry in the infrared, to navigate among these scenarios and propose two points with particularly interesting phenomenology. Within these benchmark points we explore the discovery of vector and axial resonances in the Drell-Yan, associated production and vector boson fusion channels.

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