



PHYSICS AND ASTRONOMY SEMINAR

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“Glueball Spectrum of SUSY Theories from Holography”

Abstract

Currently the only way to access non-perturbative data in strongly coupled theories from a first principles calculation is provided by lattice simulations. However, this is not an option for the supersymmetric theories due to the technical sign problem. In the case of glueball spectra a good quantitative estimate for the lightest states of low spin can be obtained by means of the holographic approach. We review the results of the calculation in the singlet glueball sector of the $N=1$ supersymmetric Klebanov-Strassler model.

Tuesday, September 17, 2013

2:30 p.m.

Elliott Building

Room 060