



Contribution ID: 128

Type: Talk

[361] Holographic QCD predictions for glueball decay patterns

Thursday 24 August 2017 14:00 (15 minutes)

The nonsupersymmetric nonconformal Witten model augmented by chiral quarks in a D4-D8 brane construction due to Sakai and Sugimoto is a top-down string-theory construction of a gravity dual to low-energy large- N QCD with only one dimensionless free parameter. Used as a phenomenological model it reproduces several features of hadron physics even quantitatively to within 10-30%. This talk summarizes our results for the predictions of this particular holographic QCD model for decay patterns of scalar, pseudoscalar, and tensor glueballs.

Primary authors: Prof. REBHAN, Anton (Vienna University of Technology); Mr BRÜNNER, Frederic (TU Wien); PARGANLIJA, Denis

Presenter: Prof. REBHAN, Anton (Vienna University of Technology)

Session Classification: Nuclear, Particle-and Astrophysics (TASK-FAKT)

Track Classification: Nuclear, Particle- and Astrophysics (TASK - FAKT)