



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.

**Authors:** Prof. REBHAN, Anton (Vienna University of Technology); Mr BRÜNNER, Frederic (TU Wien); PAR-GANLIJA, 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)