



Contribution ID: 41

Type: **not specified**

## Holographic Scalar and Tensor Glueballs

*Monday, 9 March 2015 09:00 (25 minutes)*

Glueballs are expected to emerge in the non-perturbative region of QCD building an abundant spectrum with already established states (quarkonia) and those whose identification is still elusive (tetraquarks, molecular and exotic states and others). I present a top-down holographic approach, featuring one free parameter and an overall scale, that allows for calculation of mass spectra in the scalar and tensor (as well as other) glueball channels. In addition, decay rates in  $2\pi$ ,  $2\rho$  and various other channels are presented, together with a discussion of experimental uncertainties hampering a clear identification of glueballs even after decades of research.

**Primary author:** PARGANLIJA, Denis

**Presenter:** PARGANLIJA, Denis

**Session Classification:** Monday Morning