



Contribution ID: 238

Type: Poster

## On holographic relation between radial meson trajectories and deconfinement temperature

The interrelation between the deconfinement temperature of hadron medium and parameters of radial Regge trajectories within the bottom-up holographic models for QCD is scrutinized. We show that the lattice data on the deconfinement temperature can yield a powerful restriction on the spectrum of excited mesons and glueballs within the framework of holographic approach. The best phenomenological agreement and theoretical self-consistency are achieved if the scalar meson  $f_0(1500)$  is considered as the lightest glueball.

**Primary author:** AFONIN, Sergei (Saint Petersburg State University)

**Co-author:** Ms KATANAEVA, Alisa (Saint Petersburg State University)

**Presenter:** AFONIN, Sergei (Saint Petersburg State University)

**Track Classification:** Posters