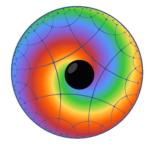
## **Gauge/Gravity Duality 2015**



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## Pion resonances in Holographic QCD

Tuesday, 14 April 2015 14:50 (30 minutes)

We investigate the leptonic decay constants of pion resonances using a 5-d holographic model for Quantum Chromodynamics (Holographic QCD). We obtain a generalized version of the partially conserved axial current (PCAC) relation that includes the pion resonances. In the chiral limit, we find that the decay constants vanish, confirming a prediction from nonperturbative QCD based on the Bethe-Salpeter equations.

**Presenter:** BALLON-BAYONA, Alfonso **Session Classification:** Parallel Session