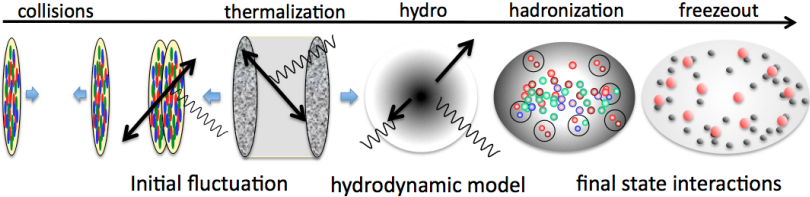


QCD Dynamics via Holography

Jere Remes

PAPU meeting 02.12.2015

Heavy ion collisions



Improved Holographic QCD

- A 5-dimensional dilaton-gravity system with a non-trivial dilaton potential proposed by Kiritsis et al.

$$S = \frac{1}{16\pi G_5} \int \sqrt{-g} \left[\mathcal{R} - g^{\mu\nu} \frac{4}{3} \partial_\mu \phi \partial_\nu \psi + V_g(\phi) \right] \quad (1)$$

Improved Holographic QCD

