

BEACH 2010 - IX International Conference on Hyperons, Charm and Beauty Hadrons



Contribution ID: 23

Type: **not specified**

The perfect opaque fluid at RHIC

I will give an overview of the current status of heavy ion physics, focusing on the low viscosity and high heavy quark opacity observed at RHIC. I will argue that these findings are generally incompatible with pQCD calculations, and examine the way in which methods based on gauge-string duality (AdS/CFT) can be quantitatively constrained by a joint analysis of hadronic flow and heavy quark suppression data.

This talk is based on <http://arxiv.org/abs/0906.4099>

and the general review at <http://arxiv.org/abs/0911.5479>

Primary author: TORRIERI, Giorgio (JW Goethe Universitat, Frankfurt)

Presenter: TORRIERI, Giorgio (JW Goethe Universitat, Frankfurt)