

Drag Force in QGP via AdS/QCD

Thursday 29 November 2018 14:45 (15 minutes)

In this work, we discuss how to develop a model for the drag force using the so-called AdS/QCD soft wall model. The strong medium will be modeled holographically by an AdS-Black hole metric (Schwarzschild and Reissner Nordstrom) in the presence of a static quadratic dilaton. The parton in this approach is given by Chan-Paton charge at the end of an open string living in the background space. Kinematical and dynamical properties of the string will give rise to the dynamic properties of the parton in the strong media.

arXiv

Authors: Dr MARTIN CONTRERAS, Miguel Angel (Universidad de Valparaíso); VEGA, Alfredo

Presenter: Dr MARTIN CONTRERAS, Miguel Angel (Universidad de Valparaíso)

Session Classification: Parallel Talks B

Track Classification: QFT, Strings, AdS/CFT