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Drag Force in QGP via AdS/QCD

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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 and AdS-Black hole metric (Schwartzchild 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.

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