



Dipartimento di Fisica
Università di Cagliari
INFN, Sezione di Cagliari



HIGH ENERGY PHYSICS COLLOQUIA

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CHERN-SIMONS DIFFUSION RATE IN HOLOGRAPHIC MODELS OF QCD

Abstract

The Chern-Simons diffusion rate of QCD, accounting for the rate of change of the Chern-Simons number, is an important quantity for the study of the chiral magnetic effect in the quark-gluon plasma. In this talk I will present results about its computation in holographic models of QCD. The results have a certain degree of universality and therefore they can provide a benchmark for the experiments.

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