



Contribution ID: 720

Type: talk

Thermalization of a boost-invariant non Abelian plasma with boundary sourcing

Thursday 23 July 2015 10:45 (20 minutes)

The relaxation towards the hydrodynamic regime of a boost-invariant non Abelian plasma taken out-of-equilibrium is investigated using a holographic approach. In the dual description, the system is driven out-of-equilibrium by boundary sourcing,

a

deformation of the boundary metric, as proposed by Chesler and Yaffe.

The corresponding Einstein equations in the bulk are solved, and the times of restoration of the hydrodynamic regime and of the pressure isotropy are determined. The possible connections with the QGP phenomenology are discussed.

Author: DE FAZIO, Fulvia (INFN Bari)

Presenter: DE FAZIO, Fulvia (INFN Bari)

Session Classification: Heavy Ion Physics

Track Classification: Heavy Ion Physics