



ID de Contribution: 18

Type: Non spécifié

Chiral Magnetic Effect in Heavy Ion Collisions: Status Report on Experiment and Holography

mercredi 1 juin 2022 16:45 (45 minutes)

The Chiral Magnetic Effect (CME) is the generation of an electric current in a magnetic field due to a chirality imbalance. It is supposed to occur in non-central heavy ion collisions. I will review the experimental efforts to measure CME and especially highlight the recent results from the isobar run at RHIC. Then I present a holographic model to address the question how fast the CME builds up in an out-of-equilibrium setup. This is a relevant question since the lifetime of the magnetic field is short. Results for static and time dependent fields will be contrasted. The need for better models is evident. To improve this situation the “AdS4CME” collaboration has been formed.

Auteur principal: LANDSTEINER, Karl

Orateur: LANDSTEINER, Karl