

Stability and Electromagnetic Properties of the Magnetic Dual Chiral Density Wave Phase of High Density QCD

Monday, 25 June 2018 18:00 (30)

We study the electromagnetic properties of dense QCD in the Magnetic Dual Chiral Density Wave phase and show that it exhibits anomalous Hall conductivity and magnetoelectricity. We investigate the stability of this inhomogeneous phase against low-energy fluctuations about the spatially modulated order parameter.

Primary author(s) : Prof. INCERA, Vivian (CUNY)

Co-author(s) : Prof. FERRER, Efrain (CUNY)

Presenter(s) : Prof. INCERA, Vivian (CUNY)

Session Classification : Parallel