



Contribution ID: 291

Type: **not specified**

Study of the QGP physics in center vortices

Friday, 18 June 2010 14:30 (20 minutes)

We study the dynamics of QGP in terms of magnetic center vortices that are responsible for the non-perturbative physics of QCD. Here we report the infrared behavior of thermal gluons and the transport coefficient of QGP before/after the center degree of freedom removed. We discuss the role of magnetic degree of freedom in the QGP physics.

Please, insert your presentation type (talk, poster)

talk

Primary author: SAITO, Takuya (Kochi Univ.)

Co-authors: Prof. NAKAMURA, Atsushi (Hiroshima Univ.); Prof. CHERNODUB, Maxim (Univ. of Tours, Univ. of Gent, ITEP); Prof. ZAKHAROV, Valentine (ITEP, Max Planck Institute); Dr NAKAGAWA, Yoshiyuki (Niigata Univ.)

Presenter: SAITO, Takuya (Kochi Univ.)

Session Classification: Parallel 57: Vacuum structure and confinement

Track Classification: Nonzero temperature and density