

Equation of state of quark gluon plasma in dynamical magnetic fields

Thursday 12 December 2024 15:00 (20 minutes)

We investigate equation of state (EoS) of quark gluon plasma (QGP) in the presence of dynamical magnetic fields. Since it is believed that the intense magnetic field generates at BNL and CERN, we study not only the static magnetic field but also dynamic magnetic fields in order to analyse the impact of these field on EoS. We found significant altering on EoS in the presence of a magnetized field in QGP. Results are enhanced appreciably in the presence of dynamical magnetic field as compared to static magnetic field. Results are useful in the presence of dynamical magnetic fields in order to explore various feature of QGP at RHIC and BNL.

Details

No

Is the speaker for that presentation defined?

No

Name of experiment and experimental site

NA

Is this an abstract from experimental collaboration?

No

Internet talk

Yes

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Session Classification: Extended session