

Hard Probes 2018: International Conference on Hard & Electromagnetic Probes of High-Energy Nuclear Collisions

Contribution ID: 161 Type: 5c) Other topics, new theoretical & experimental developments (POSTER FROM TALK)

Effect of magnetic field on QGP equation of state

The equation of state (EoS) of quark-gluon plasma (QGP) using a phenomenological model is studied with the effect of magnetic field. The model results provide EoS of QGP which are in good agreement with Lattice QCD results. This model is successfully applied to the description of the properties of quark-gluon plasma created in the collision of nucleons. Thus, the effect of magnetic field shows the useful information to study the EoS of QGP in high energy heavy-ion collisions.

Summary

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