Contribution ID: **142** Type: **not specified**

Energy Evolution of QGP under two loop correction at finite chemical potential

Wednesday 15 January 2025 15:53 (7 minutes)

We calculate the energy evolution of quark gluon plasma (QGP) under the two loop correction at finite chemical potential. The calculation shows a good improvement over the energy evolution without chemical potential and the stability formation is also obtained at the size of 1.8 fm. This indicates that QGP droplet can be found with changing the quark and gluon flow parameters. However there is a lot of change in the stability of QGP droplet depending on the parameters contained in the system

Author: SOMORENDRO SINGH, Shougaijam (University of Delhi, Delhi, India)

Presenter: SOMORENDRO SINGH, Shougaijam (University of Delhi, Delhi, India)

Session Classification: Parallel C

Track Classification: 1. QCD Phase Diagram, criticality and fluctuations