XXVI DAE-BRNS High Energy Physics Symposium 2024



Contribution ID: 501

Type: Postar

Polyakov loop potential at rich baryonic matter

We calculated the Polyakov loop potential with chemical potential. The potential is calculated for a matter of both quark and hadrons and the quark matter at rich baryonic matter. It is identified from the calculation that there is a stability in the Polyakov potential with the chemical potential for different fields. From the quark and hadronic matter but the quark matter there is no such stability of the potential with the baryonic matter. It indicates that there will be possibility of finding the equation of state in this region of quark and hadronic phase.

Field of contribution

Phenomenology

Author:SINGH YADAV, NARAYANCo-author:Prof. SINGH, Somorendro (University of Delhi)Presenter:SINGH YADAV, NARAYAN

Track Classification: Heavy ion and QCD