

International Conference on Physics and Astrophysics of Quark Gluon Plasma (ICPAQGP-2023)



Contribution ID : 177

Type : **Oral Presentation**

Speed of sound in dense matter

Tuesday, 7 February 2023 15:55 (15)

We investigate the equation of state derived from a dynamical quark model. In particular, we explore how the effect of momentum dependent dispersion relations of the quasi particle will affect the speed of sound in dense matter. Effect of diquark gap and connections to other parameterised quark EoS will be explored.

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Session Classification : Parallel Session IA (Chair : Dr Lokesh Kumar)

Track Classification : QCD equation of state in heavy-ion collisions and neutron stars