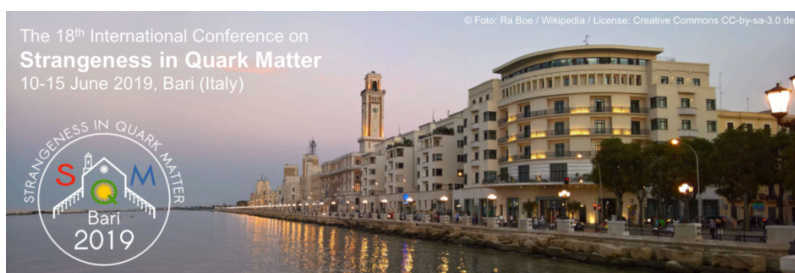


Strangeness in Quark Matter 2019



Contribution ID: 25

Type: **Poster**

Strange matter in SU(3) PNJL model: kaon-to-pion ratio along the phase transition line

Tuesday 11 June 2019 18:45 (2 hours)

The behavior of strange matter in the frame of the SU(3) Polyakov-loop extended Nambu-Jona-Lasinio model is considered. We discuss the appearance of a peak in the ratio of the number of strange mesons to non-strange mesons known as the “horn”. We showed that the rise in the ratio K^+/π^+ appears in PNJL model when we build the K^+/π^+ ratio along the phase transition diagram. We considered how the matter properties can affect to the behavior of the kaon-to-pion ratio.

Collaboration name

Track

QCD phase diagram and critical point

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Session Classification: Poster session with “aperitivo”