

XQCD 2019 (The 17th International Conference on QCD in Extreme Conditions)



Contribution ID: 2

Type: **Oral talk**

Pion condensation -chpt versus lattice

Wednesday, 26 June 2019 12:20 (25 minutes)

In this talk I will discuss pion condensation and the phase diagram at finite temperature and isospin density. I will present results for the quark-meson model and chiral perturbation theory. The results for the phase diagram, pressure and equation of state are compared with recent lattice results. I will also present results for pion stars that consist of a Bose condensate of pion electromagnetically neutralized by leptons.

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Session Classification: Session 10