



Contribution ID: 6

Type: **not specified**

Pion condensation and the QCD phase diagram at finite isospin density

Friday 28 September 2018 09:00 (30 minutes)

In this talk I will discuss various aspects of pion condensation at finite temperature and density. At $T=0$, the phase diagram will be mapped out in the μ_I - μ_B plane, and we will discuss the competition between an inhomogeneous chiral condensate and a pion condensate. At finite T , we map out the phase diagram in the μ_I - T plane focusing on the deconfinement and chiral transitions as well as the onset of pion condensation. Comparison with recent lattice data will be made.

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