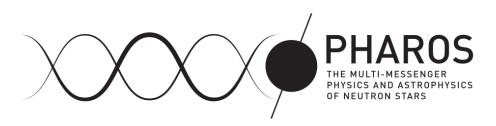
Neutron stars: the equation of state, superconductivity/superfluidity and transport coefficients (PHAROS WG1+WG2 meeting)



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## 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 mu\_I-mu\_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 mu\_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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