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Towards a precise determination of the EoS of QCD to high-temperature

Wednesday 1 August 2018 15:00 (20 minutes)

In this talk I will present our strategy for a fully non-perturbative determination of the equation of state (EoS) of QCD from low ($T \sim 100$ MeV), up to very high temperature ($T \sim 100$ GeV). The key ingredient for such determination is the lattice formulation of QCD in a moving reference frame. I shall discuss in particular how the set-up allows for a neat determination of the entropy density from simple correlation functions of the energy momentum tensor.

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