

QCD phase diagram from lattice simulations

Friday, November 3, 2023 10:00 AM (30 minutes)

Different parts of the QCD phase diagram in the plane temperature - baryon density are expected to be relevant for early stages of the Universe, neutron stars, heavy ion collision experiments. From theoretical point of view a lot of information about the QCD phase diagram and QCD thermodynamics can be extracted using lattice ab-initio methods. In this talk I present an overview of the lattice studies of QCD phase diagram, current status of the field and possible future directions.

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