



Contribution ID: 24

Type: Oral

Probing QCD phase boundary in Heavy Ion Collisions

Wednesday, 2 September 2015 12:00 (30 minutes)

We introduce the structure of the QCD phase diagram related with deconfinement and chiral symmetry restoration. The theoretical results will be based on the first principal lattice QCD and model calculations. We discuss the phenomenological probes of the QCD phase boundary in Heavy Ion collisions. In this context we focus on measured properties of correlations and fluctuations of conserved charges to identify the phase change due to the chiral symmetry restoration. We consider charmonia production yields as a probe of deconfinement in a medium created in high energy nuclear collisions at RHIC and LHC.

Presenter: REDLICH, Krzysztof

Session Classification: Plenary VI