



Contribution ID: 636

Type: **Plenary presentation**

An overview of the QCD phase diagram at finite T and μ

Monday, 26 July 2021 09:40 (40 minutes)

In recent years there has been much progress on the investigation of the QCD phase diagram with lattice QCD. This talk will focus on the developments in the last few years. Especially the addition of external influences and extended ranges of T and μ yield an increasing number of interesting results, a subset of which will be discussed. Many of these conditions are important for the understanding of both the QCD transition in the early universe and heavy ion collision experiments which are conducted for example at the LHC and RHIC. This offers many exciting opportunities for comparisons between theory and experiment.

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Session Classification: Plenary

Track Classification: Invited plenary