



Contribution ID: 1082

Type: Talk

## Lattice QCD at finite baryon density using analytic continuation

*Saturday 26 August 2017 15:00 (30 minutes)*

We simulate lattice QCD with two flavors at imaginary baryon chemical potential.

We use results for the baryon number density computed in the confining and deconfining phases at imaginary baryon chemical potential to determine the baryon number density and higher cumulants as well as the phase transition line at real chemical potential.

### Topic:

Topic: Heavy Ion Collisions and Critical Phenomena

### Summary

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**Session Classification:** Parallel session