



Contribution ID: 12

Type: **Oral presentation**

## A Fresh Look at the Chemical Potential on the lattice

*Tuesday, 27 July 2021 05:00 (15 minutes)*

Lattice techniques are the most reliable ones to investigate its phase diagram in the temperature-baryon density (chemical potential) plane. They are, however, well-known to be saddled with a variety of problems at nonzero density. I address here the old question of placing the baryonic (quark) chemical potential on the lattice and point out that important consequences for the current and future experimental searches of QCD critical point.

**Primary author:** Prof. GAVAI, Rajiv V (IISER, Bhopal)

**Presenter:** Prof. GAVAI, Rajiv V (IISER, Bhopal)

**Session Classification:** QCD at nonzero Temperature and Density

**Track Classification:** QCD at nonzero Temperature and Density