The 34th International Symposium on Lattice Field Theory (Lattice 2016)



Contribution ID: 374 Type: Talk

## Using Wilson flow to study the deconfinement transition

Friday, 29 July 2016 17:30 (20 minutes)

We use the Wilson flow to study the deconfinement transition. We construct renormalized observables sensitive to the deconfinement transition. In particular, behavior of renormalized operators associated with the Polyakov loop are investigated for both quenched and two-flavor QCD. We also investigate the behavior of various thermodynamic quantities across the transition.

Primary author: Dr DATTA, Saumen (Tata Institute of Fundamental Research)

**Presenter:** Dr DATTA, Saumen (Tata Institute of Fundamental Research)

Session Classification: Nonzero Temperature and Density

Track Classification: Nonzero Temperature and Density