

Fluctuations of conserved charges at zero and finite density

Wednesday, February 8, 2017 4:30 PM (20 minutes)

We calculate higher order fluctuations of baryon number and electric charge in lattice QCD. The results at real chemical potentials are obtained through analytical continuation of simulations at imaginary chemical potentials. We compare to (or discuss) the STAR proton and electric charge fluctuation data to characterize the chemical freeze-out in view of the new lattice findings.

Preferred Track

QCD at High Temperature

Collaboration

Not applicable

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