



Contribution ID: 265

Type: Poster

Dual simulation of finite density lattice QED at large mass

Tuesday, 24 June 2014 18:10 (2 hours)

Using hopping expansion techniques we discuss a partial mapping of finite density lattice QCD to dual variables. After truncation the partition sum has only real and positive contributions also at arbitrary chemical potential, and a Monte Carlo simulation is possible. We discuss the algebraic aspects of the dualization and show some first numerical results.

Primary author: GATTRINGER, Christof (Univ. Graz)

Co-author: KNIELY, Michael (Univ. Graz)

Presenter: GATTRINGER, Christof (Univ. Graz)

Session Classification: Poster session

Track Classification: Nonzero Temperature and Density