

Contribution ID: 57

Type: Parallel

Lattice computation of the quark propagator in Landau gauge at finite temperature

Friday 21 June 2019 16:30 (20 minutes)

We report on the computation of the quark propagator at finite temperature in the Landau gauge using quenched gauge configurations. The propagator form factors are computed for various temperatures, above and below the gluon deconfinement temperature T_c , and for all the Matsubara frequencies. Our results suggest a strong connection between quark and gluon deconfinement and favour chiral symmetry restoration above T_c .

Primary authors: SILVA, Paulo (Center for Physics, University of Coimbra); OLIVEIRA, Orlando (University of Coimbra)

Presenter: SILVA, Paulo (Center for Physics, University of Coimbra)

Session Classification: Nonzero Temperature and Density

Track Classification: Nonzero Temperature and Density