

XVth Quark Confinement and the Hadron Spectrum



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Center-symmetric Landau gauge, the deconfinement transition and the gluon propagator as seen in lattice QCD

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We address the lattice computation of the gluon propagator in the center-symmetric Landau gauge. After discussing a proper lattice implementation of the center-symmetric Landau gauge, we compare the lattice data with analytical results, and we identify various signatures of center symmetry breaking.

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