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Lattice QCD on the Grid

Friday 28 August 2009 09:45 (45 minutes)

Quantum Chromodynamics, the theory describing the interactions of quarks and gluons, is not amenable to an analytic solution but can be studied numerically via large-scale Monte Carlo simulations. We show why and how the particular question we posed, regarding the existence of a QCD chiral critical point, can be studied efficiently on the Grid.

Author: DE FORCRAND, Philippe (ETH and CERN)Presenter: DE FORCRAND, Philippe (ETH and CERN)Session Classification: Lectures (Friday morning)

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