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Theta dependence in the deconfined phase of QCD

Wednesday, August 3, 2016 10:10 AM (25 minutes)

We will present a determination of the topological properties of QCD for temperatures up to around 600MeV, obtained by using Lattice QCD simulations with 2+1 flavours of fermions at the physical point. Numerical results will be compared with the predictions of instanton gas calculations and the implications of these results for the cosmological bounds on the axion mass will be discussed.

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