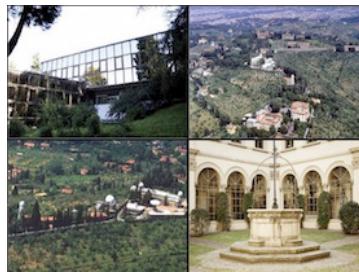


New Frontiers in Theoretical Physics - XXXV Convegno Nazionale di Fisica
Teorica and GGI 10th anniversary



Contribution ID: 52

Type: **not specified**

Theta dependence in the deconfined phase of QCD

Thursday, 19 May 2016 16:20 (20 minutes)

We will present a determination of the topological properties of QCD for temperatures above the deconfinement, up to T~600MeV. Numerical results obtained by means of Lattice QCD simulations will be compared with the prediction of instanton gas calculations. Finally, the implications of these results for the cosmological bounds on the axion mass will be discussed.

Primary authors: BONATI, Claudio (PI); NEGRO, Francesco (PI); Mr SANFILIPPO, Francesco (Southampton University); VILLADORE, Giovanni (Abdus Salam International Centre for Theoretical Physics, Trieste); MARTINELLI, Guido (ROMA1); MARITI, Marco (PI); D'ELIA, Massimo (PI); MESITI, Michele (PI)

Presenter: BONATI, Claudio (PI)

Session Classification: Parallel Session 19 pm1