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Theta dependence in the large N limit

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Studies of the large N behaviour of the topological properties of gauge theories typically focused on the large N scaling of the topological susceptibility. A much more difficult task is the study of the behaviour of higher cumulants of the topological charge in the large N limit, which up to now remained elusive. We will present first results confirming the expected large N scaling of the coefficient commonly denoted by b_2 , related to the kurtosis of the topological charge.

Authors: Dr BONATI, Claudio (Università di Pisa); Prof. VICARI, Ettore (Università di Pisa); D'ELIA, Massimo (University of Pisa and INFN); Prof. ROSSI, Paolo (Università di Pisa)

Presenter: Dr BONATI, Claudio (Università di Pisa)

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