Lattice2010



Contribution ID: 284 Type: not specified

The bulk transition of many-flavour QCD and the search for an UVFP at strong coupling

Friday, 18 June 2010 15:30 (20 minutes)

We explore the possibility that the observed bulk transition at $N_f = 12$ be identified with an ultraviolet fixed point (UVFP), whose existence has been recently conjectured by Kaplan and collaborators, based on AdS/CFT. A preliminary scaling analysis favours a first order nature of the bulk phase transition. However, we argue that the AdS/CFT inspired scenario might be realized at the endpoint of the bulk transition line, at the critical value of N_f where conformality is lost.

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talk

Primary author: PALLANTE, Elisabetta (University of Groningen)

Co-authors: DEUZEMAN, Albert (University of Groningen); Prof. LOMBARDO, Maria Paola (Laboratori

Nazionali di Frascati, LNF-INFN)

Presenter: PALLANTE, Elisabetta (University of Groningen)

Session Classification: Parallel 55: Applications beyond QCD

Track Classification: Applications beyond QCD