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The critical line of QCD at small baryon density

Monday, 21 May 2018 15:00 (30 minutes)

We will discuss the behaviour of the (pseudo)critical temperature of QCD as a function of the baryon chemical potential for physical quark masses. This behaviour has been extracted from 2+1 flavour lattice QCD simulations using both the imaginary chemical potential and the Taylor expansion approach; on the contrary of previous results in the literature, a good agreement between the two determinations is found.

Primary authors: Dr BONATI, Claudio (Università di Pisa); Dr NEGRO, Francesco (INFN - Sezione di Pisa); Dr SANFILIPPO, Francesco (INFN - Sezione di Roma Tre); ZAMBELLO, Kevin (Università di Parma); Dr MARITI, Marco (Università di Pisa); D'ELIA, Massimo (University of Pisa and INFN); Dr MESITI, Michele (Swansea University)

Presenter: Dr BONATI, Claudio (Università di Pisa)

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