



Contribution ID: 170

Type: Talk

The $N_f=3$ critical endpoint with smeared staggered quarks

Tuesday, 24 June 2014 14:15 (20 minutes)

We present preliminary results for the determination of the critical endpoint of the chiral transition in $N_f=3$ QCD with $\mu=0$ at small N_t . We have employed an unimproved Wilson gauge action with staggered fermions, for which previous results on the critical endpoint are available. As an extension of these results we have studied the dependence of the critical mass on the strength of the smearing.

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Session Classification: Nonzero temperature and Density

Track Classification: Nonzero Temperature and Density