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The crossover line in the (T, mu)-phase diagram of QCD

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An efficient way to study the QCD phase diagram at small finite density is to extrapolate thermodynamical observables from imaginary chemical potential. The phase diagram features a crossover line starting from the transition temperature already determined at zero chemical potential. In this talk we focus on the Taylor expansion of this line up to μ^4 contributions. We present the continuum extrapolation of the crossover temperature based on different observables at several lattice spacings.

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