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Topological susceptibility with 2+1 flavor Moebius domain wall fermion at finite temperature

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The topological susceptibility is one of the quantities that has a large discretization error, and the error can be sensitive to the choice of fermion action. We report on our results from physical point simulations with 2+1 flavor Moebius domain wall fermion at finite temperature. The temporal lattice size is Nt=12 and 16, and the temperature range is around 140 MeV to 250 MeV. We also present results on ensembles with 1/a ˜ 2.5 GeV of which quark mass is slightly off from the physical point.

Parallel Session (for talks only)

QCD at nonzero temperature and density

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