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Three-flavour QCD phase transition with Mobius domain-wall fermions

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We update the study of three-flavour QCD phase transition with Mobius domain-wall fermions at zero chemical potential. The simulations are performed on $N_t=12$ lattices with aspect ratio between 2 and 4 for a variety of quark masses at a lattice spacing 0.13 fm. A large volume lattice of $48^3 \times 12$ is added to clarify the nature of transition by measuring the volume dependence of chiral susceptibility and Binder cumulants.

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