



Contribution ID: 203

Type: **Talk**

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

*Tuesday, 30 July 2024 11:35 (20 minutes)*

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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**Session Classification:** QCD at non-zero temperature

**Track Classification:** QCD at Non-zero Temperature