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Determination of chiral condensate from low-lying eigenmodes of Mobius domain-wall Dirac operator

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We calculate the spectral function of the Mobius domain-wall Dirac operator utilizing a stochastic eigenvalue counting technique. From the low-end of the spectrum we extract the chiral condensate in 2+1-flavor QCD, and take the chiral and continuum limits. Lattice ensembles are those generated with Mobius domain-wall fermions at a~0.080, 0.055 and 0.044 fm.

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