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The continuum limit of 2+1 flavor DWF ensembles

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We present light pseudoscalar physics in the continuum limit of 2+1 flavour domain wall QCD by the RBC and UKQCD collaborations. We make use of a fermion action with good chiral symmetry and use two different lattice spacings.

We use a new approach to match ensembles within the range of simulated masses, and apply a simultaneous chiral and continuum extrapolation. We present continuum results for pion and kaon decay constants, f_K/f_π , quark masses and the neutral kaon mixing parameter B_K . We discuss the systematic errors arising from the choices in the analysis.

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talk

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