

The Tenth International Workshop on Lattice QFT and Numerical Analysis (QCDNA X)



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Type: **Talk**

Lattice QCD with mixed action - Borici-Creutz valence quarks on staggered sea

Tuesday, June 27, 2017 3:00 PM (30 minutes)

We used Borici-Creutz fermion to study discrete chiral symmetry breaking at strong coupling in 2-dim Gross-Neveu model and mass spectra in 2-dim field theories. Mixed action lattice QCD study with Borici-Creutz valence quarks on staggered sea quarks is carried out. The counter terms are fixed nonperturbatively to restore the broken symmetries. The effect of partial quenching and unitarity violation is investigated.

Title

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