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Progress in generating gauge ensembles with Stabilized Wilson Fermions

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The continued generation of $n_f = 2 + 1$ quark flavor gauge configurations using stabilized Wilson fermions by the open lattice initiative (OpenLat) is reported. We present the status of our ongoing production and show updates on increasing statistics at the four lattice spacings $a = 0.12, 0.094, 0.077$ and 0.064 fm. Aside from the flavor symmetric point we discuss advancements in going towards physical pion masses. We show preliminary results of the pion decay constants, extending previous results, and discuss standard hadronic and flow observables on all available ensembles.

Topical area

Hadronic and Nuclear Spectrum and Interactions

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