



Contribution ID: 153

Type: **Talk**

Scale determination for the CLS 2+1 ensembles

Tuesday, 14 July 2015 15:00 (20 minutes)

During the last two years, the CLS effort has generated ensembles with 2+1 dynamical flavors of non-perturbatively improved Wilson fermions at lattice spacings between 0.05fm and 0.09fm. Most of these ensembles are along lines of constant sum of bare sea quark masses $\text{tr}(M)$. We give an overview of these simulations and describe our scale setting procedure using the pseudoscalar decay constants. Since this action is relatively new, particular attention will be given to the size of the discretization effects and the impact of the mistuning of $\text{tr}(M)$.

Primary authors: BRUNO, Mattia (NIC, DESY); Prof. SOMMER, Rainer (NIC@DESY); SCHAEFER, Stefan (NIC, DESY)

Presenter: SCHAEFER, Stefan (NIC, DESY)

Session Classification: Standard Model Parameters and Renormalization

Track Classification: Standard Model Parameters and Renormalization