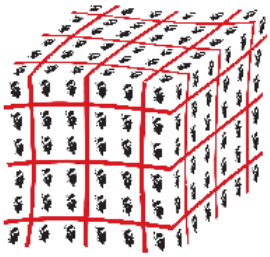

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Pseudoscalar Decay Constants from $N_f = 2 + 1 + 1$ twisted mass lattice QCD

Monday, 14 June 2010 15:50 (20 minutes)

We present first results for the pseudoscalar decay constants f_K, f_D and f_{D_s} in lattice QCD with dynamical up, down, strange and charm quark flavours. The investigation is based on gauge configurations generated by the ETM collaboration using $N_f = 2 + 1 + 1$ Wilson twisted mass fermions at maximal twist at one value of the lattice spacing around 0.08 fm and several values of the light quark masses. In the valence sector the so called Osterwalder-Seiler formulation is used. The extra- and interpolation in the various quark masses will be discussed.

Please, insert your presentation type (talk, poster)

talk

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