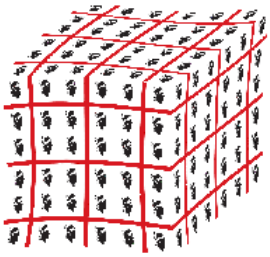

Contribution ID: **319** Type: **not specified**

Renormalization constants for Wilson fermion lattice QCD with four dynamical flavours

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

We report about an ongoing non-perturbative computation of RI-MOM scheme renormalization constants for the lattice action with Iwasaki glue and four dynamical flavours currently in use by ETMC.
For this goal dedicated simulations with four degenerate sea quark flavours
are performed at several values of the standard and twisted quark mass parameters. We discuss a method for removing possible O(a) artifacts at all momenta and extrapolating renormalization constant estimators to the chiral limit. We give preliminary results at one lattice spacing.

Please, insert your presentation type (talk, poster)

talk

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Session Classification: Parallel 07: Standard model parameters and renormalization

Track Classification: Standard model parameters and renormalization