



Contribution ID: 169

Type: not specified

Egalitarian Improvement to Democracy in Non-Perturbative Renormalization of Quark Operators

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

We present our results on non-perturbative renormalization of quark operators. Based on $N_f=2$ ETMC lattices we calculate vertex functions and propagators, and combine them using irreducible representation of the discrete rotational group H_4 . We test the running of these quantities including a possible non-perturbative contribution via Wilson operator expansion. This allows for the better computation of non-perturbative correction to the renormalized Z_q .

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talk

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Session Classification: Parallel 07: Standard model parameters and renormalization

Track Classification: Standard model parameters and renormalization