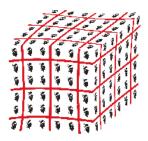Contribution ID: **25**   Type: **not specified**

Renormalization of minimally doubled fermions

Monday, 14 June 2010 16:40 (20 minutes)

Minimally doubled fermions have been proposed as a strictly local
discretization of the QCD quark action, which also preserves chiral
symmetry at finite cut-off. We study the renormalization and mixing
properties of two particular realizations of minimally doubled fermions
in lattice perturbation theory at one loop. We also construct
conserved axial-vector currents, which have a simple form
involving only nearest-neighbors sites.

Please, insert your presentation type (talk, poster)

talk

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Session Classification: Parallel 12: Chiral symmetry

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