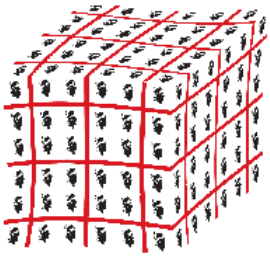

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Non-perturbative improvement of SU(2) gauge theory with fundamental or adjoint representation fermions

Tuesday, 15 June 2010 18:00 (20 minutes)

The research of strongly coupled beyond-the-standard-model theories has generated significant interest in non-abelian gauge field theories with different number of fermions in different representations. Motivated by technicolor scenarios, we study the non-perturbative improvement of the Wilson-clover action using SU(2) gauge fields and fermions in fundamental and adjoint representations. The Sheikholeslami-Wohlert coefficients are fixed using Schrödinger functional simulations.

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poster

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Session Classification: Poster session

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