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## Solvers for Wilson fermions in Grid

*Monday, August 8, 2022 3:20 PM (20 minutes)*

In this talk we present work on extending the set of solvers for the inversion of the Dirac matrix for Wilson-Clover type fermions in Grid. Particular emphasis is put on the inexact deflation method put forward by Lüscher. Besides providing fast solves for configurations at the physical point one of the method's central advantages is that it can be included into the HMC algorithm at relatively low computational cost. We assess the performance of our implementation of the algorithm on both CPU and GPU architectures and carry out comparisons with other solvers.

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