



Contribution ID : 220

Type : **Plenary**

Multi-boson block factorization of fermions

Monday, 19 June 2017 12:00 (0:30)

Content

I will review a recent proposal for factorizing the fermion determinant in lattice QCD that leads to a local bosonic action in the block fields. Once combined with the factorization of the propagator, it paves the way for multilevel Monte Carlo integration in the presence of fermions opening new perspectives in lattice QCD.

Preferred track (if multiple tracks have been selected)

Algorithms and Machines

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Session Classification : Plenary Session - II