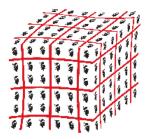
Lattice2010



Contribution ID: 287 Type: not specified

First Applications of the Stochastic LapH method in Lattice QCD Spectroscopy

Tuesday, 15 June 2010 17:20 (20 minutes)

A novel algorithm which combines the LapH method of evaluating quark-field propagation with a stochastic estimator is tested on a range of hadronic correlators. The results demonstrate the advantage of this new method over the ordinary LapH method, particularly for the evaluation of flavor-singlet meson and multiparticle correlators, which are challenging for the ordinary LapH method. Future applications will also be discussed.

Please, insert your presentation type (talk, poster)

talk

Primary author: WONG, Chik Him (Carnegie Mellon University)

Co-authors: Prof. MORNINGSTAR, Colin (Carnegie Mellon Uniersity); Dr BULAVA, John (NIC DESY Zeuthen); Dr

FOLEY, Justin (Carnegie Mellon University); Dr PEARDON, Mike (Trinity College)

Presenter: WONG, Chik Him (Carnegie Mellon University)Session Classification: Parallel 34: Hadron spectroscopy

Track Classification: Hadron spectroscopy