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First Applications of the Stochastic LapH method in Lattice QCD Spectroscopy

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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 multi-particle correlators, which are challenging for the ordinary LapH method. Future applications will also be discussed.

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talk

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