Contribution ID: 332

Type: Poster

Eigenvector Continuation with Auxiliary Field Monte Carlo

Tuesday, 24 July 2018 18:45 (2 hours)

Eigenvector Continuation is a new method designed to aid in the calculation of lattice observables in situations where conventional methods, like perturbation theory, fails. We present the details of this method, and results for simulations of the Coulomb interaction in ⁴He and ⁸Be, using both Auxiliary Field Monte Carlo and Eigenvector Continuation.

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Session Classification: Poster reception

Track Classification: Hadron Spectroscopy and Interactions