

Contribution ID: 189 Type: Oral presentation

Nuclear force with LapH smearing

Thursday, 29 July 2021 22:00 (15 minutes)

The Laplacian Heaviside (LapH) smearing technique is proved to be useful in precision determination of multi-hadron spectrum. We apply the LapH source smearing to the nuclear force calculation by the HAL QCD method, finding that the 1S0 and 3S1-3D1 potentials are obtained with good precision. The parity-odd sector, including the LS force, are also discussed.

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Session Classification: Hadron Spectroscopy and Interactions

Track Classification: Hadron Spectroscopy and Interactions