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Iso-Scalar States from Lattice QCD

Thursday 20 July 2023 14:40 (20 minutes)

Spectroscopy in the iso-scalar channels that contain charmonia, glueballs, light mesons and multi-particle states, poses a big challenge for lattice QCD calculations. One of the reasons is the presence of notoriously noisy and expensive quark-disconnected contributions to the correlation functions. We present modern techniques, based on “distillation”, which allow us to investigate the mixing between charmonia and glueballs.

Consent

I consent to recording/broadcasting my presentation.

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