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Computation of relativistic corrections to the static potential from generalized Wilson loops at finite flow time

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We present results for O(1/m) and O(1/m^2) relativistic corrections to the static potential. The potentials are computed using Wilson loops with two colour-field insertions. To renormalize the inserted fields, we applied Gradient flow to the correlator. This also leads to a significant improvement of the signal-to-noise ratio, providing access to loops with large spatial and temporal extent.

Topical area

Hadronic and Nuclear Spectrum and Interactions

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