



Contribution ID: 122

Type: **Poster**

Static force from lattice

Tuesday 18 June 2019 18:30 (20 minutes)

We present an novel calculation of the static force directly from the lattice. Compared to the usual approach of taking derivatives of static potential, a direct measurement of the force resolves the ambiguities related to integration constants when comparing to pNRQCD expansion. We have performed a set of SU(3) pure gauge simulations using the multilevel algorithm to test out this procedure.

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Session Classification: Poster

Track Classification: Standard Model Parameters and Renormalization