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Basis Light Front Quantization - Progress and Prospects

Monday 29 November 2021 11:00 (30 minutes)

Basis Light Front Quantization (BLFQ) has been successfully applied to obtain bound states in both QED and QCD. For QCD applications in limited Fock spaces, one assumes a form of confinement based on light-front holography along with an additional longitudinal confinement. Recent applications include expanding Fock spaces beyond valence fermions to include the dynamical gauge degrees of freedom. I will survey recent applications to QED and to mesons and baryons and discuss prospects for future developments.

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