

Quantum Scaling in Energy Correlators: Perturbative and Non-perturbative Aspects

Monday 13 October 2025 14:40 (25 minutes)

In this talk, I will first review the collinear factorization of energy correlators in perturbative QCD and introduce the light-ray operator product expansion formalism. We generalize this framework to describe both hadronization corrections in the pre-confinement (perturbative) regime as well as the post-confinement (free hadron) regime. Based on these results, we will propose a conjecture formula for the collinear EEC.

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