

# Parton Distribution Functions Matching in Large Momentum Effective Theory

*Tuesday, 17 August 2021 11:00 (20 minutes)*

We present the next-to-next-to-leading order (NNLO) calculation of quark quasi-parton distribution functions (PDFs) in the large momentum effective theory. The nontrivial factorization at this order is established explicitly and the full analytic matching coefficients between the quasi-distribution and the light-cone distribution are derived.

In addition, we will give an overview of the perturbative matching in the large momentum effective theory.

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