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Transverse Momentum Distributions at Subleading Power and Quark-Gluon-Quark Correlators

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Beyond leading power there are interesting new phenomena that can be investigated in the realm of transverse momentum dependent (TMD) distribution functions, probed with processes like semi-inclusive DIS and Drell-Yan. In this talk I discuss the subleading power TMD factorization for these processes, including their dependence on novel distribution functions known as quark-gluon-quark (qgq) correlators, which probe new aspects of TMD hadron structure. I discuss all-order definitions for renormalized qgq correlators, which both cancel novel and standard rapidity divergences, and only depend on one hadronic state. I also discuss matching calculations and renormalization group evolution for these distributions.

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