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## TMDs and collinear twist-3 functions in the CSS formalism

*Thursday 6 February 2020 09:25 (25 minutes)*

I will report on the application of the improved Collins-Soper-Sterman (iCSS) factorization formalism for the case of polarized observables, such as the Sivers effect in semi-inclusive deep-inelastic scattering. I will discuss how this study is being extended beyond leading order; this has direct impact on issues of relating/matching TMDs onto collinear twist-3 functions. I will briefly discuss the validity of the well-known relations, such as between the weighted TMD Sivers function and the collinear twist-3 Qiu-Sterman function, and their use in phenomenological studies of the 3-D structure of hadrons.

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