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TMD factorization at next-to-leading power

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The TMD factorization at the next-to-leading power has an involved structure of singularities.

I discuss the definition and properties of transverse momentum dependent (TMD) distributions of the twistthree including evolution,

symmetry relations, parametrization, interpretation, and singularities.

I demonstrate that the physical TMD distributions (in terms of which observables are written) require an extra subtraction procedure.

As an example of application, I discuss the Drell-Yan/SIDIS processes at the next-to-leading power in terms of physical distributions

and explicitly demonstrate the cancellation of rapidity and end-point divergences.

These results complete the construction of TMD factorization at the next-to-leading power.

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