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# Collinear Expansion of Cross Sections: Tricks, Results and Phenomenology

*Thursday 28 April 2022 11:00 (30 minutes)*

In my talk I will present recent advances in our ability to expand perturbative scattering cross sections around collinear limits. This technique allows to connect universal ingredients like Beam Functions and Fragmentation Functions with technology used in the computation fixed order cross section. Furthermore, collinear expansions may serve as a powerful approximation of particle physics cross sections and I will demonstrate some examples.

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