

Collinear QCD, TMD resummation and non-perturbative aspects in SIDIS processes

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TMD resummation for SIDIS processes is studied in the framework of the original Collins-Soper-Sterman formalism, with special attention to the interplay between perturbative QCD and non-perturbative contributions. Phenomenological implementations of the TMD formalism to SIDIS processes will be discussed with practical examples, exploring different kinematical configurations of SIDIS experiments.

Authors: PROKUDIN, Alexei (Jefferson Lab); GONZALEZ HERNANDEZ, Jose Osvaldo; BOGLIONE, Mariaelena (University of Turin); MELIS, Stefano (University of Torino and INFN)

Presenter: BOGLIONE, Mariaelena (University of Turin)