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ART25 (a recent global TMD fit)

After the conceptual improvements to transverse momentum dependent (TMD) extractions of a flavour dependent ansatz as well as a more robust propagation of uncertainties onto the resulting TMD functions in ART23, the following work ART25 is a state of the art determination of the unpolarised TMD parton distribution functions and -fragmentation functions such as the Collins-Soper kernel via a global fit on the available data

With a simplistic model we achieve a good result for the fit and describe the data in the relevant phase space, provided by measurements of the semi-inclusive DIS and the Drell-Yan process.

In my talk I am going to review the framework of the extraction, present the results of this work and comment on aspects on which this type of fits can improve on.

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parton distributions