

# XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects



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## DIS structure functions and unintegrated PDFs with off-shell matrix elements

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We compute DIS structure functions using off-shell matrix elements based on  $k_T$ -factorization. The obtained results are used together with parton branching evolution and HERA data in order to fit unintegrated (transverse momentum dependent) parton distributions. This allows us to have a consistent framework where off-shellness of initial partons is treated both in parton evolution and in matrix elements. It also gives us a unique opportunity to estimate the importance of accounting for the off-shellness in matrix elements.

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