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Sea quark TMD distributions at small-x

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The Color Glass Condensate (CGC) is an effective field theory that describes the behavior of hadrons and nuclei at high energies (corresponding to small values of Bjorken-x), where the rapid growth of gluon densities is expected to be moderated by saturation effects. In this talk I will show that within the CGC dilute-dense formalism, the cross section for dijet production involving a small-x quark from the nuclear target admits factorization in the back-to-back limit, where the cross section is expressed in terms of the usual perturbative hard factors and TMD sea quark distributions. We present explicit expressions for these quark TMD distributions in terms of two fundamental distributions: the dipole correlator and the quark operator appearing in SIDIS and Drell-Yan processes.

Authors: IANCU, Edmond (Université Paris-Saclay (FR)); SALAZAR, Farid (Institute for Nuclear Theory, University of Washington); YUAN, Feng; GUERRERO MORALES, Marcos (Temple University); Dr CAUCAL, Paul (Subatech, Nantes Université, IN2P3)

Presenter: GUERRERO MORALES, Marcos (Temple University)

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