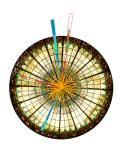
## DIS 2015 - XXIII. International Workshop on Deep-Inelastic Scattering and Related Subjects



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## TMD factorization and evolution at large $b_T$

Tuesday 28 April 2015 09:00 (25 minutes)

In using transverse-momentum-dependent (TMD) parton densities and fragmentation functions, important non-perturbative information is at large transverse position  $b_T$ . This concerns both the TMD functions and their evolution. Fits to high energy data tend to predict too rapid evolution when extrapolated to low energies where larger values of  $b_T$  dominate. I summarize a new analysis of the issues. It results in a proposal for much weaker  $b_T$  dependence at large  $b_T$  for the evolution kernel, while preserving the accuracy of the existing fits. The results are particularly important for using transverse-spin-dependent functions like the Sivers function.

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