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Nucleon Structure Functions at Large x

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Parton distribution functions at high momentum fraction x continue to be of high interest. On the one hand, they can test predictions from models, effective theories and pQCD in the valence region, where most of the nucleon momentum is carried by a single quark. On the other hand, PDFs at high x and moderate Q2 are linked, via DGLAP evolution, to moderate x and high Q2 kinematics relevant for high-energy colliders like the Tevatron and LHC. In my talk, I will present our current knowledge of both unpolarized and polarized nucleon structure functions in this kinematic region. I will then discuss ongoing and planned experiment at Jefferson Lab that will dramatically improve our understanding of the flavor and spin structure of the nucleon as $x \longrightarrow 1$.

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