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Nucleon Structure and Master Parton Distribution

XIANGDONG JI, University of Maryland

The most general parton distributions that one can define are 6-dimensional Wigner quantum phase-space Wigner distributions. Different projections will lead to different reduced distributions which can be probed in experiment such as generalized parton distributions and transverse-momentum dependence parton distributions. The role of these distributions in understanding the structure of the nucleon will be discussed.