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Deep-Inelastic Scattering and
Related Subjects

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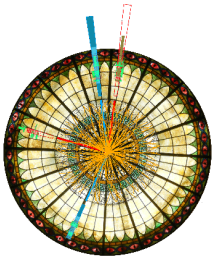

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JAM global QCD analysis of spin-dependent parton distributions

Wednesday 29 April 2015 16:15 (20 minutes)

A new global QCD analysis of spin-dependent PDFs has been performed by the JAM (Jefferson Lab Angular Momentum) Collaboration, including all available data on inclusive spin structure functions from CERN, SLAC, DESY and JLab. In particular, we explore the impact of recent high-precision JLab data at high x and low Q^2 on the determination of large-x PDFs and the extraction of higher twist matrix elements. Preliminary results for a global fit including also jet and pion production data from pp scattering at RHIC are also presented.

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