

Nucleon Spin Structure Measurements at JLab

Thursday, 31 May 2018 15:00 (20 minutes)

We will summarize the longitudinal and transverse spin measurements at JLAB. First, we will present the published and preliminary experimental results. They belong to a first phase of research using JLab's 6 GeV beam that covered the interface between the perturbative and nonperturbative domains of QCD. Furthermore, we have results pertaining to these two domains, e.g. high- x DIS on one side of the interface and the chiral domain on the other side. We will then discuss the impact of these measurements, showing in particular how they trigger theoretical advances for AdS/QCD, hadron spectroscopy and GPDs. We conclude by discussing the future spin program with the JLab upgraded 12 GeV beam.

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Funding source

DE-AC05-06OR23177

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Session Classification: Parton and Gluon Distributions in Nucleons and Nuclei

Track Classification: PGDNN