

Abstract Submitted
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Updates on the Strange Sea Contributions to the Nucleon Spin.¹

FATIHA BENMOKHTAR, Duquesne University — Understanding the spin structure of the nucleon in terms of quarks and gluons has been the goal of intense investigations during the last decades. The determination of strangeness is challenging and the only way of determining the strange distribution accurately from data is to improve the semi-inclusive information. In this talk I will present most recent updates on the strange sea spin measurements, and will talk about the preparation for the determination of the strange sea contribution to the nucleon spin through the pseudo-scalar method using semi-inclusive Kaon detection technique with CLAS12 at Jefferson Lab. A hybrid Ring Imaging CHerenkov (RICH) detector is under construction and will be used for pion-kaon-proton separation in the 3 to 8 GeV/c momentum range. Contributions from the Duquesne group will be presented.

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