

Abstract Submitted
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Studies of the Strange Sea-Quarks Spin with Kaons.¹ FATIHA BENMOKHTAR, ANDREW VOLOSHIN, JUSTIN GOODWILL, ANDREW LENDACKY, Duquesne University, Pittsburgh, PA — It is well known that quarks and gluons give the substructure to the nucleons. and understanding of 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. This talk is focused on 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 Ring Imaging CHerenkov (RICH) detector is under construction and will be used for pion-kaon-proton separation.

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