

Abstract Submitted  
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**Nucleon structure functions at large Bjorken  $x$  from 12 GeV commissioning experiment E12-10-002 in Hall C**<sup>1</sup> DEBADITYA BISWAS, Hampton University — Extractions of  $F_2$  structure function from inclusive inelastic electron-proton scattering cross sections is important for the study of nucleon structure. Most existing data have large statistical uncertainties in the region of large Bjorken  $x$ . After the successful 12 GeV upgrade of Jefferson Lab, E12-10-002 is one of the first commissioning experiments ran in Hall C to measure the inclusive inelastic electron-proton scattering cross sections in the  $Q^2$  region of 4 to 14 GeV<sup>2</sup>. In this talk an overview of experiment E12-10-002 and first results will be presented.

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