

Abstract Submitted
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Measurements of F_2 and $R = \sigma_L/\sigma_T$ on Deuterium and Nuclei in Nucleon Resonance Region YA LI, Hampton University, JLAB E02-109 COLLABORATION, JLAB E04-001 COLLABORATION — Jefferson Lab E02-109/E04-001 study the longitudinal-transverse (L-T) separated structure functions F_1 , F_2 , F_L , and the ratio of longitudinal and transverse cross sections $R = \sigma_L/\sigma_T$ from deuterium and other nuclear targets (Carbon, Iron and Aluminum) in nucleon resonance region. The experiments will provide the first global survey of the L-T separated quantities of nuclei in resonance region. In addition, these data will be used as input vector form factors in a future analysis of neutrino data. After a brief presentation of the motivation of the experiments and associated analysis details, the preliminary results will be presented.

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