

Abstract Submitted  
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**Impact of Coulomb Corrections on Measurement of the EMC Effect** DAVID GASKELL, Jefferson Lab — Experiment E03-103 at Jefferson Lab made measurements of the EMC Effect for several light and heavy nuclei. At the relatively low energies of these measurements (5.8 GeV) effects due to the acceleration of the incident and scattered electrons due to the Coulomb field of heavy nuclei can be significant. This talk will focus of the impact of Coulomb Corrections, not only on the E03-103 results, but on earlier data from the SLAC E140 experiment as well. In particular, the application of Coulomb Corrections results in an apparent  $\epsilon$  dependence of the target ratios, implying a possible nuclear dependence of  $R = \frac{\sigma_L}{\sigma_T}$  at large  $x$ .

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