

Abstract Submitted
for the APR21 Meeting of
The American Physical Society

EMC Ratios for Light Nuclei¹ ABISHEK KARKI, Mississippi State University, HALL C COLLABORATION COLLABORATION — A part of JLab experiment E12-10-008 was completed in the Spring of 2018, measuring inclusive electron scattering from a range of nuclei to extract their nuclear structure function. Data was acquired on Be, 10B, 11B, and C nuclei. We aim to extract the ratio of the nuclear structure function to deuterium in order to study the EMC effect and help test the idea that the local nuclear density plays an important role in quark modification in the nuclear medium. In this talk, we will present preliminary results and the current status of the analysis. This work is supported by US Department of Energy, Office of Science under Award Number DE-FG02-07ER41528.

¹EMC Ratios in Light Nuclei

Dipankar Dutta
Mississippi State Univ

Date submitted: 08 Jan 2021

Electronic form version 1.4