

Abstract Submitted
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EMC Effect in Lighter Nuclei¹ ABISHEK KARKI, Mississippi State University — As part of the 12 gev commissioning experiments in hall c at Jefferson Lab, e12-10-008 made measurements of the emc effect in selected light nuclei. This experiment is a measurement of inclusive electron scattering which aims to extract the ratio of nuclear structure function of several nuclei to those from deuterium. This is the first measurement of the Emc ratio for targets 10b and 11b, which was included to expand the set of lighter nuclei to test the idea that the local nuclear density plays an important role in quark modification. In this talk, I will be showing some preliminary results and our current analysis status.

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