

Abstract Submitted
for the DNP06 Meeting of
The American Physical Society

Search for the onset of Color Transparency in ρ^0 electroproduction.¹ LORENZO ZANA, MAURIK HOLTROP, University of New Hampshire, CLAS COLLABORATION — The nuclear transparency for the coherent production of ρ^0 mesons was measured on ^2H , ^{12}C and ^{56}Fe in the Q^2 range of 1.-2.5 GeV^2/c^2 with the CLAS detector at Jefferson Laboratory. The nuclear transparency is extracted for a number of bins in Q^2 as the ratio of ρ_0 production on a nuclear target over the production on deuterium. Systematic errors were reduced by measuring on these two targets simultaneously. A rise in the nuclear transparency for increasing Q^2 would indicate the onset of Color Transparency. We will discuss the experimental setup, the data analysis, preliminary results, and outlook for this experiment.

¹This work is supported in part by DOE grant #DE-FG02-88ER40410.

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Date submitted: 30 Jun 2006

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