Abstract Submitted
for the APR13 Meeting of
The American Physical Society

Short-range nuclear structure and the EMC effect: understanding the connection NADIA FOMIN, Los Alamos National Laboratory — Inclusive electron scattering has proven to be an exceptional tool for studying short range structure in nuclei. Measurements of the EMC effect (at $x < 1$) are aimed at studying in-medium modification of the nucleon structure functions. On the other hand, inclusive measurements at $x > 1$ focus on short range correlations (SRCs) between nucleons. Recent data on the EMC effect from Jefferson Lab suggest a sensitivity to short range nuclear structure related to NN correlations at $x > 1$. The high precision results on the EMC effect and the ratios at $x > 1$ have a linear relationship, suggesting a common physics explanation. Results from both experiments will be reviewed, the meaning of the correlation explored, plans for future measurements will be discussed.

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Date submitted: 09 Jan 2013 Electronic form version 1.4