

Abstract Submitted  
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**Nuclear High Momentum Components and Short Range Structure** DONAL DAY, University of Virginia, JOHN ARRINGTON, Argonne National Laboratory, NADIA FOMIN, Los Alamos National Laboratory — High momentum components are generated by the short range features of the NN force and are an expression of short range correlations (SRC) in the ground state. The tail of the momentum distribution for all nuclei share this common origin and the relative strength of these SRC are revealed in the cross section ratios of heavy to light nuclei. Inclusive scattering data from Jefferson Lab have allowed a precise determination of the A-dependence of SRC in nuclei and suggests that, like the EMC effect, it is especially sensitive to the nuclear local density. These new results will be presented and discussed along with the prospects of future experiments.

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