

# Short-Range Correlations of Nucleons in a Nucleus

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Short-range nucleon-nucleon correlations (SRC) within a nucleus can occur as the nucleons are quantum-mechanical objects whose wave-functions can for short periods of time strongly overlap. These correlations have been investigated for over half century. On the quest for SRC, Jefferson Lab experiments have made a significant contribution. My talk will focus mainly on the Hall A triple-coincidence experiment E01-015. This was the first BigBite experiment at Jefferson Lab and first neutron detector experiment in Hall A. The results from this experiment have allowed us to make unambiguous statements on SRC that resulted in Jefferson Lab's first publication in the journal Science. I will conclude with a brief summary of the next Hall A triple-coincidence SRC experiment which will run in early 2011.