Summary

Study short range correlations in nuclei.

Separate 2N and multi-nucleon correlations.

Map out A-dependence of SRCs.

-> Guide A(e,e'p), A(e,e'NN) measurements.

Study quark distributions at x>1.

See how well we can isolate high-density configurations kinematically.

-> Study density dependent effects (EMC effect)

-> Measure quark structure of correlated nucleons.

While the main focus is short range correlations, the experiment is high-x cross sections over a range in x and A.

We can directly extract several things:

Structure function, F_2 (x-dependence for large x).

Target cross section ratios (EMC-style ratios at x>1).

Scaling functions ($F_2(\xi)$, $F(y)$, $f(\psi')$, $\overline{F}_2^A(\xi_{QE})$).

Data needed to extract QCD Moments of nuclei.

These data can be used to study a variety of topics:

ξ-scaling and local duality in nuclei.

Structure of few-body and heavy nuclei.

Higher twist contributions.

Energy momentum sum rule.

QCD moments for neutron.

Final state interactions.