Nature of SRCs

We want to be able to isolate two-nucleon short range correlations and multi-nucleon correlations (clusters).

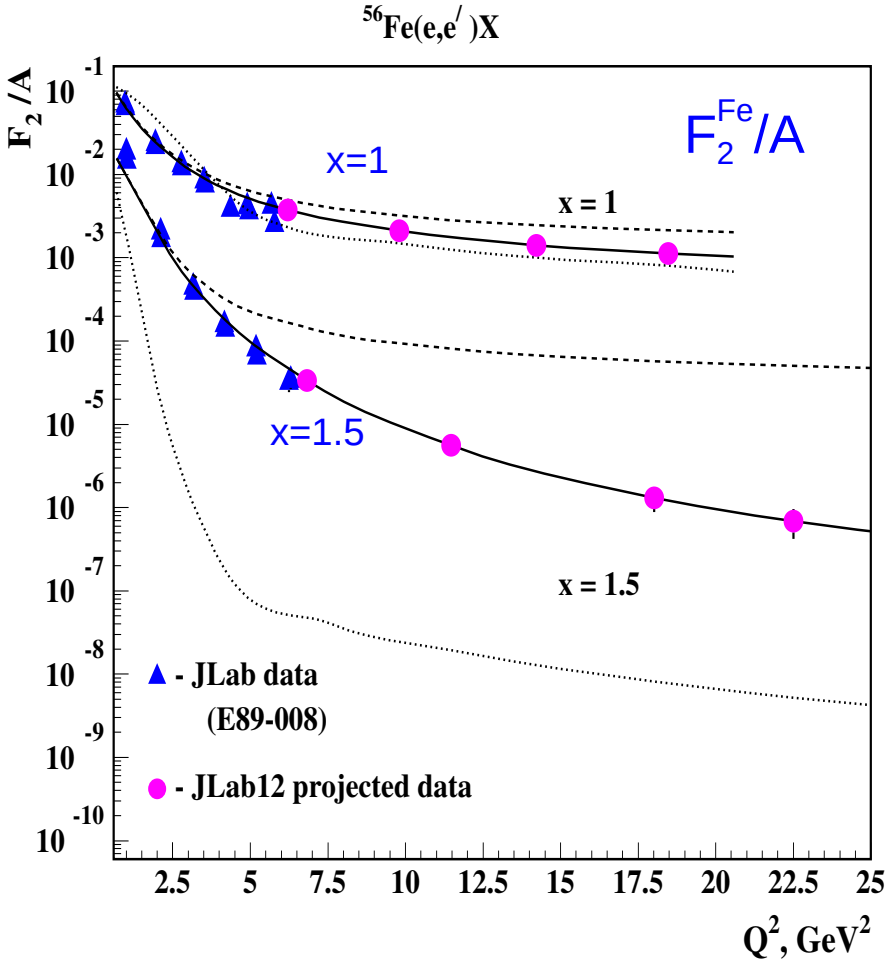
Dotted =mean field approx.

Solid = +2N SRCs.

-Frankfurt, Day, Sargsian, and Strikman, Phys. Rev. C (1993)

Dashed = +multi-nucleon.

-Frankfurt and Strikman, Phys. Lett. B94 (1980) 216



4 GeV data consistent with 2N SRCs.

6 GeV can reach Q^2=11 GeV^2. ~5x more sensitive to multi-nucleon contributions.

JLab12 can reach Q^2=23 GeV^2. ~10x more sensitive. Will also extend Q^2 range for higher x values.