Experiment E01-012

Measurement of Neutron (^{3}He) Spin Structure Functions in the Resonance Region

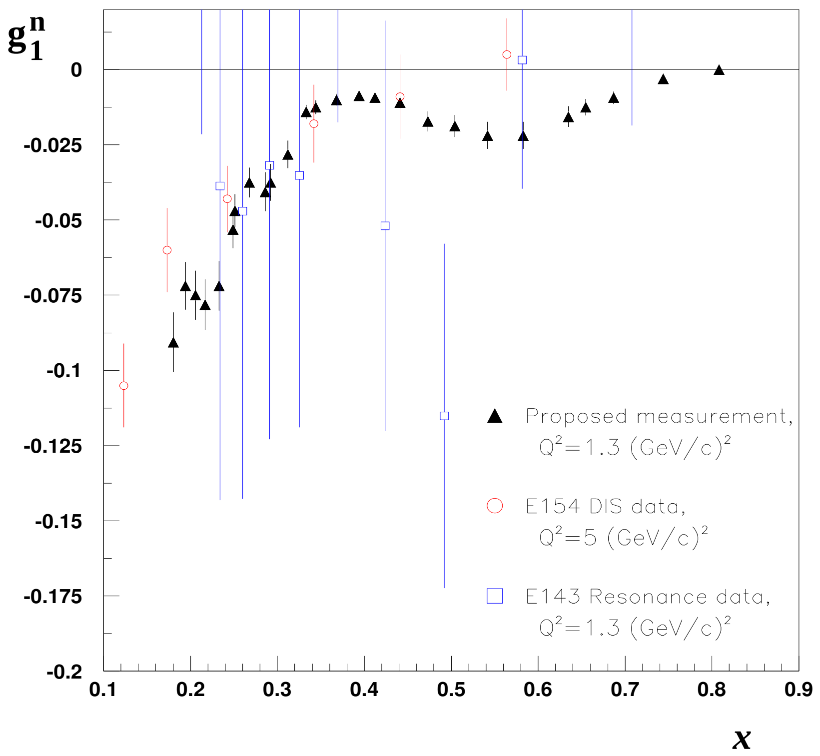
Spokespeople: N. Liyanage, J.P.Chen, S.Choi

- A precision measurement of neutron spin structure functions in the resonance region up to $Q^2 = 5.5$ GeV^2.

  Test quark-hadron duality in spin structure functions.

  A first test of spin-flavor dependence of duality

- Duality$\longrightarrow$ Powerful tool to study very high x behavior.
- **Understanding quark-hadron duality will help us understand confinement of quarks in protons and neutrons**



æ