Magnetic spectrometers in Hall A — combined with the infrastructure to install large, diverse and additional detector systems — allow experiments focusing on:

- Nucleon charge and magnetic structure
- Precision 3D momentum imaging of the neutron
- Precision tests beyond the Standard Model
- Nuclear constraints for dense astrophysical systems
- Nuclei with a strange quark embedded

An international collaboration of scientists participate in experiments carried out in Hall A. Hall collaborators represent more than 130 institutions and 24 countries.