

CEBAF's Original Mission Statement

Key Mission and Principal Focus (1987):

The study of the largely unexplored transition between the nucleon-meson and the quark-gluon descriptions of nuclear matter.

The Role of Quarks in Nuclear Physics

Related Areas of Study:

- Do individual nucleons change their size, shape, and quark structure in the nuclear medium?
- How do nucleons cluster in the nuclear medium?

Pushing the Limits of the Standard Model of Nuclear Physics

- What are the properties of the force which binds quarks into nucleons and nuclei at distances where this force is strong and the quark confinement mechanism is important?

*Charge and Magnetization in Nucleons and Pions
The Onset of the Parton Model*