WELCOME!

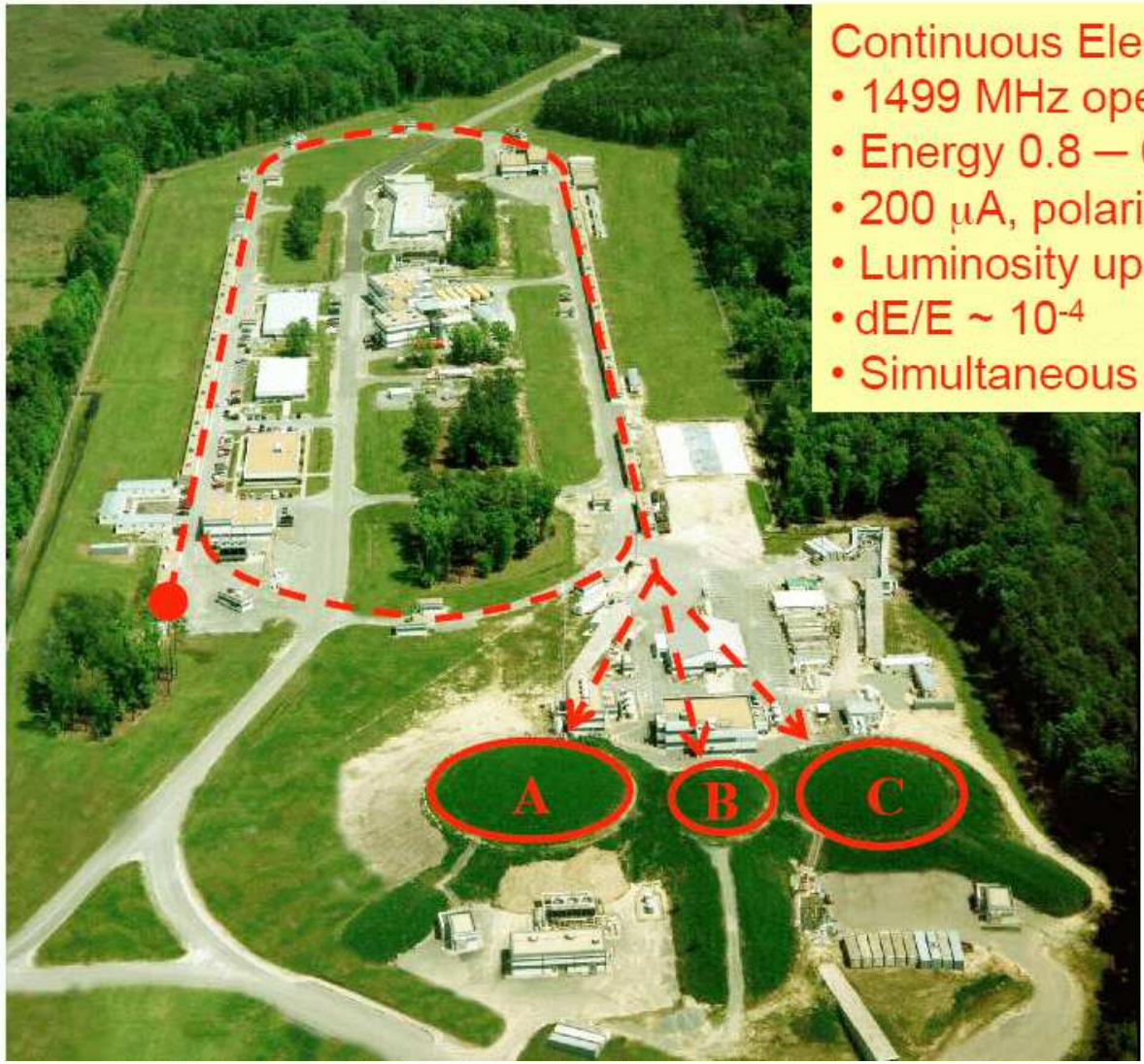
CLAS12 Software Workshop

University of Richmond, May 25-26, 2010

Physics with the Energy Upgraded JLab

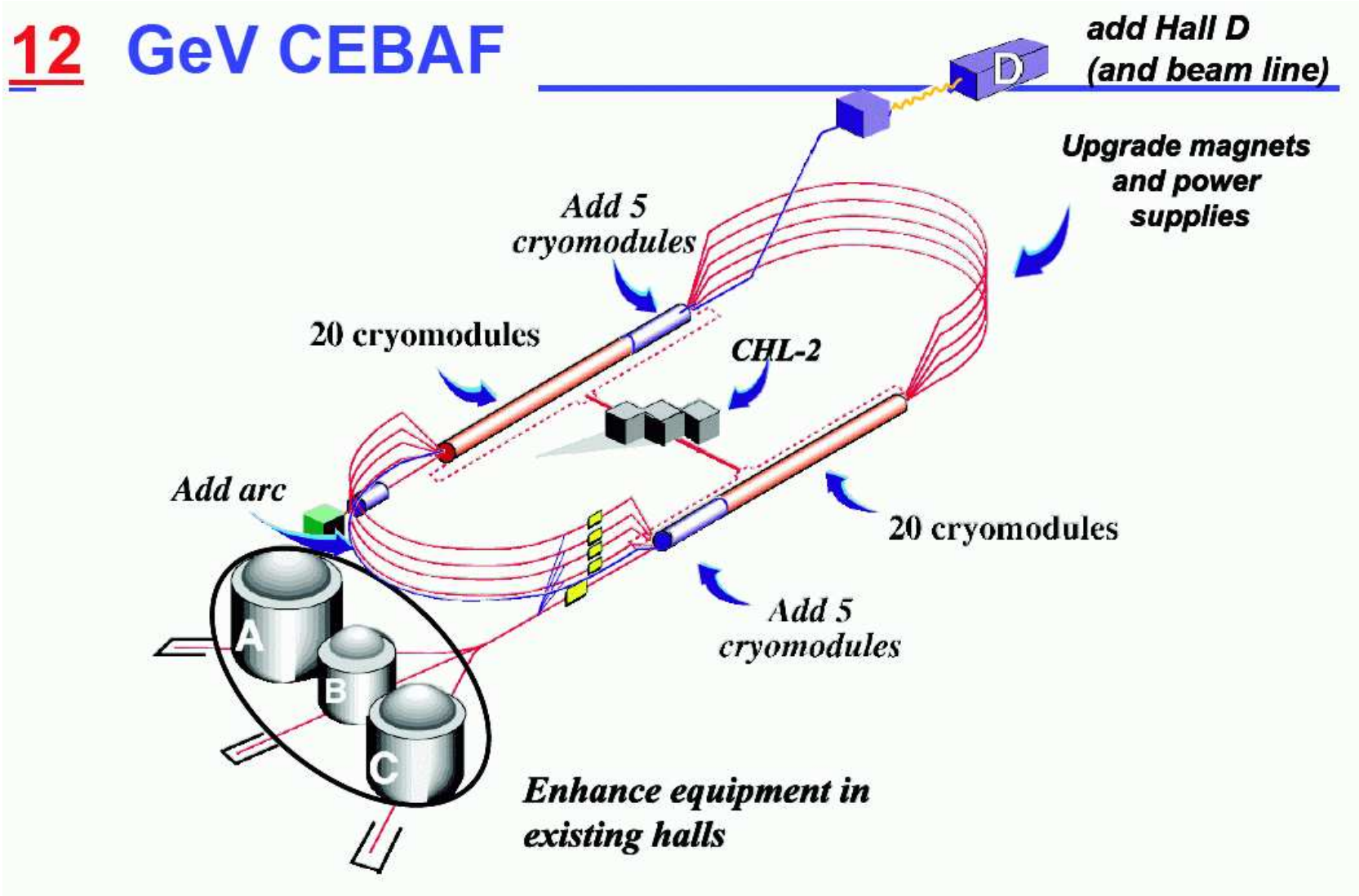
- Address critical issues in ‘strong QCD’, *i.e.* the source of confinement.
- How hadrons are constructed from the quarks and gluons of QCD.
- How are those hadrons changed when immersed in a nuclear medium?
- Develop a new picture of the structure of the nucleon and other hadrons.

CEBAF - The Way It Is.



Continuous Electron Beam
- 1499 MHz operation
- Energy 0.8 — 6 GeV
- 200 μA, polarization 75%
- Luminosity up to 10^{38} cm^2s^{-1}
- dE/E ~ 10^{-4}
- Simultaneous delivery 3 halls

CEBAF - The Way It Will Be.

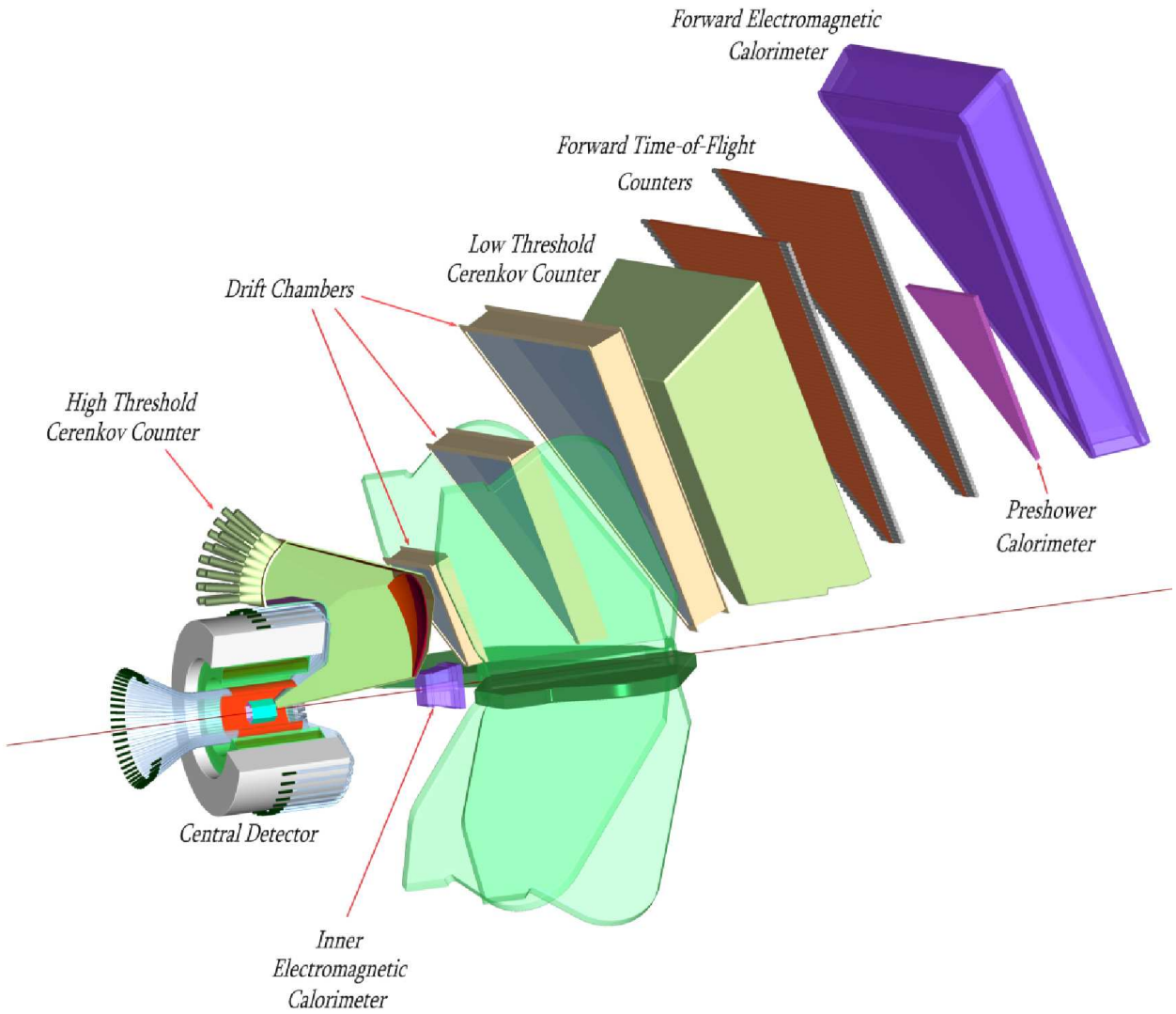


First beams expected October, 2014.

New Detectors for New Physics Opportunities.

Construction has begun on all four halls.

A New CEBAF Large Acceptance Spectrometer (CLAS12).



The CLAS12 detector.

CLAS12 Software Workshop*

- Goals:
  - Broad view of the state-of-the-art in offline analysis.
  - Status of the CLAS12 software program.
  - Opportunities for users to join that program.
- Tutorials on CLAS12 software; free DVD for participants.
- To be held at the University of Richmond, May 25-26, 2010.
- Travel funding available for students and post-docs.

*Supported by the JSA/SURA Initiatives Fund.

Website: `http://conferences.jlab.org/CLAS12Software/index.html`