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# WELCOME!

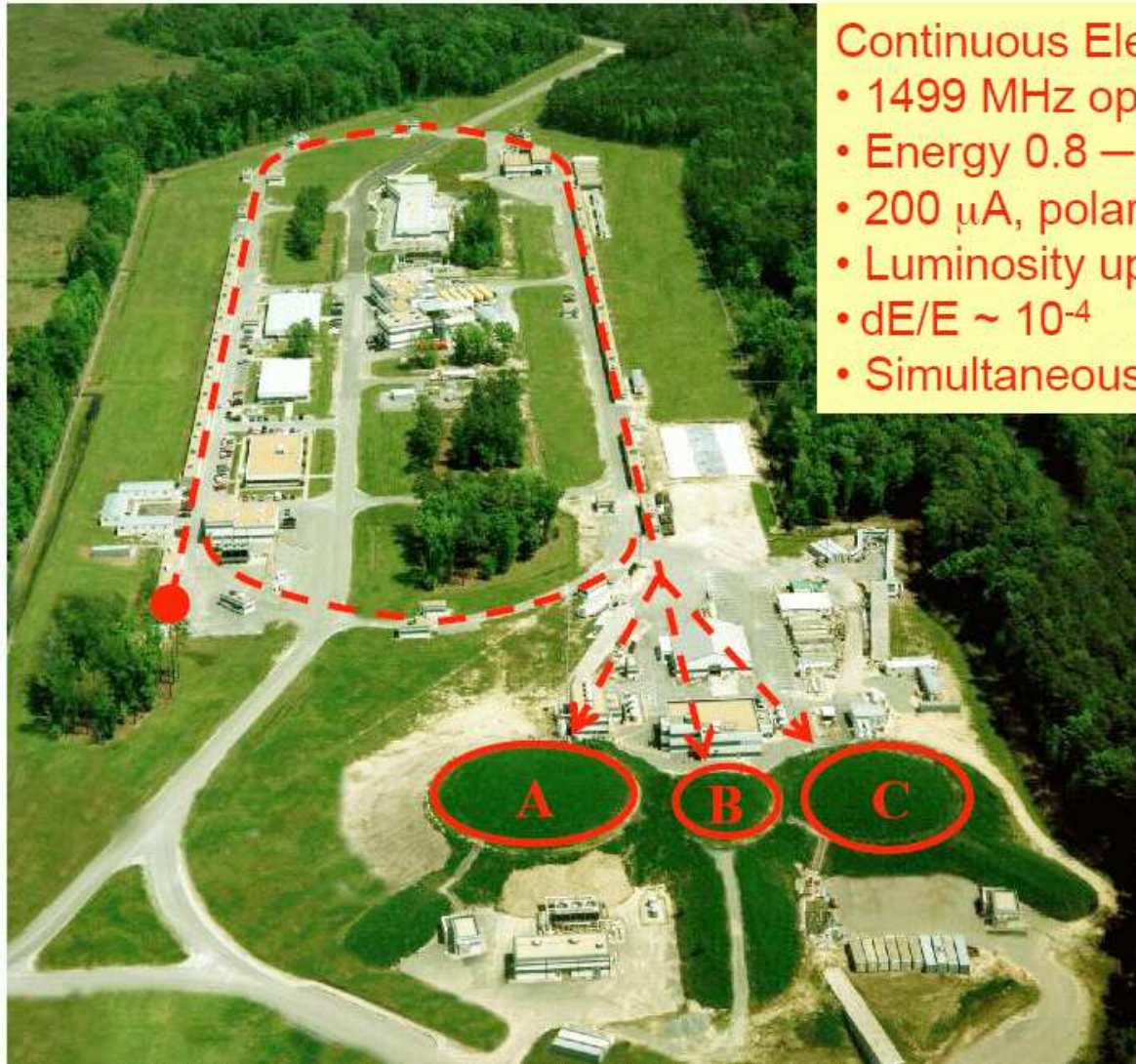
## CLAS12 Software Workshop

*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.

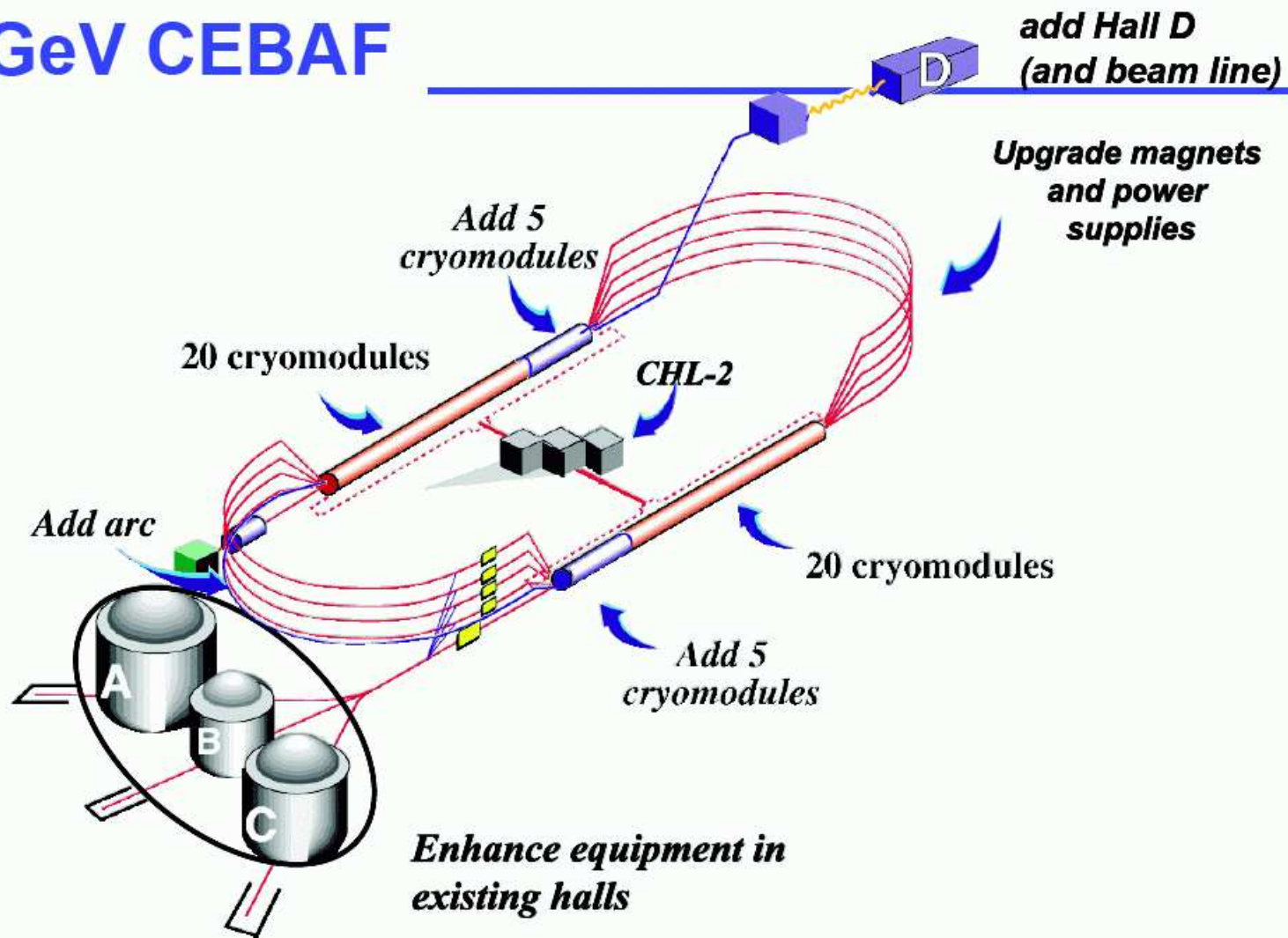


## Continuous Electron Beam

- 1499 MHz operation
- Energy 0.8 – 6 GeV
- 200  $\mu$ A, polarization 75%
- Luminosity up to  $10^{38}$   $\text{cm}^2\text{s}^{-1}$
- $dE/E \sim 10^{-4}$
- Simultaneous delivery 3 halls

# CEBAF - The Way It Will Be.

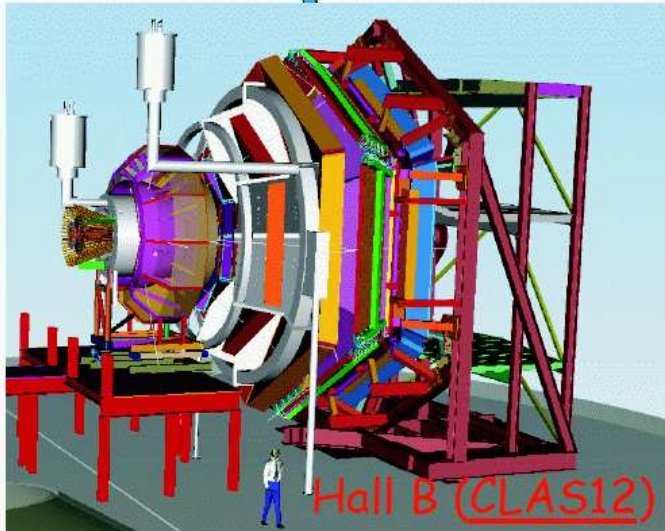
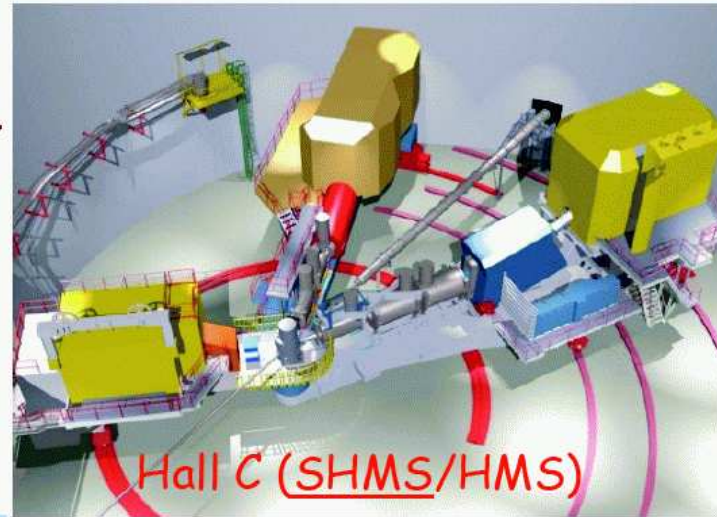
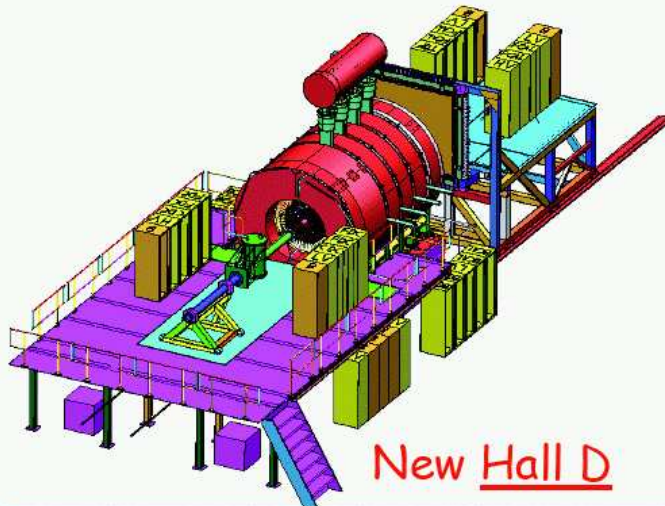
## 12 GeV CEBAF



**First beams expected October, 2014.**

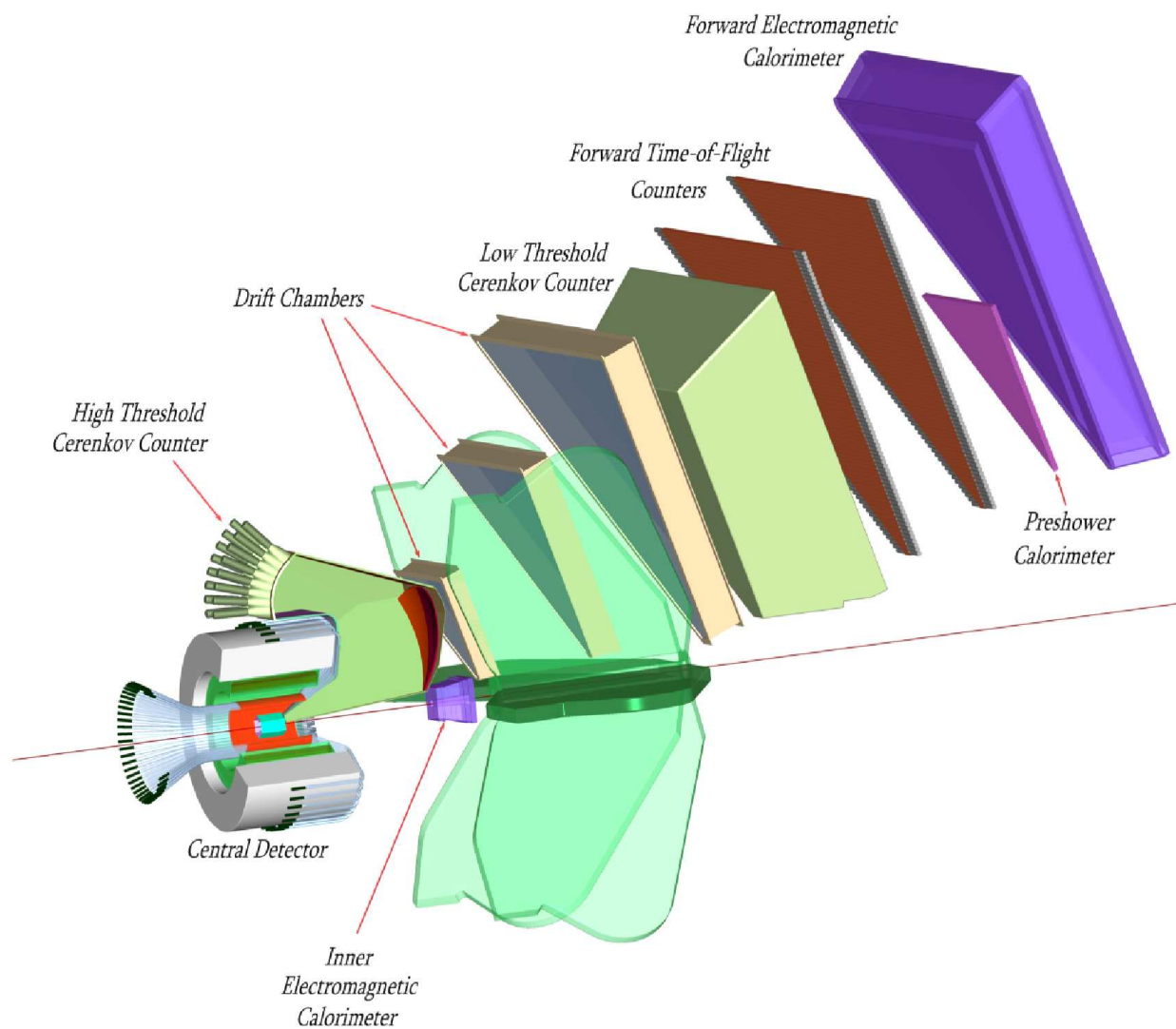


# New Detectors for New Physics Opportunities.



**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.

The poster features a blue and green background with a digital, data-like aesthetic. It includes the workshop title, host institution, dates, topics, and organizing committee members.

**CLAS12 Software Workshop**  
University of Richmond  
Physics Department  
**May 25-26, 2010**

**Topics:**

- ◆ Modern methods for analysis of large data sets
- ◆ Status and future plans for the CLAS12 offline
- ◆ Hands-on training on the current CLAS12 simulation and analysis software

Organizing Committee:  
Vardan Gyurjyan Jerry Gilfoyle  
Dennis Weygand Latifa Elouadrhirs  
Maurizio Ungaro David Heddle



Website: <http://conferences.jlab.org/CLAS12Software/index.html>