## Software Project for Hall B 12 GeV Upgrade Status and Plans

- Overview Talk Content
- Break-out Sessions Planning

12 GeV Upgrade Software Review Jefferson Lab November 25-26, 2013

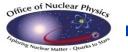






## Hall B Overview and Progress Summary Talk

- CLAS12 Software Overview
- Advances made in:
  - Framework
  - Simulations
  - Tracking
  - Calibration and Monitoring
  - Event Reconstruction
  - Data Processing
- Timelines and Milestones
  - Milestones met and current timeline
- Use-ability
  - Of framework (Data Mining Project), simulation (detector studies), and reconstruction (detector performance analysis and upcoming physics proposals)
- Software Profiling and Documentation
  - Stress Tests & Large Scale Data Challenges
- Steps taken to address recommendations from previous review
- Risk Mitigation
- Summary







## Hall B Break-Out Session Presentations

- 3 sessions: each ~25 (+5) minutes
  - Details of the simulation and reconstruction
    - Simulation: GEMC
    - Reconstruction: TRAC
    - Data Monitoring
    - Data Visualization: ced
  - Use-ability of the software
    - User presentations (not yet finalized tentative speakers/slides from users)
      - Use of ClaRA
        - Data Mining at ODU [G. Gavalian],
        - ClaRA cloud installations at University of Richmond [G. Gilfoyle],
          Chile Federico Santa Maria University (S. Mancilla), ODU, & other sites)
      - Use of GEMC
      - Running TRAC for FTCal algorithm development (R. De Vita)
  - Physics Data Processing application framework: ClaRA





