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`

CLAS12 Software Workshop Program (Morning)

May 25 Gottwald Center for the Sciences Auditorium

9:00-9:20	Welcome and Summary of the 12 GeV Upgrade	Jerry Gilfoyle (Richmond)
9:20-10:10	Big Science in an Era of Large Datasets - BNL Experience and Perspective in Nuclear and Particle Physics Data Analysis	Michael Ernst (BNL)
10:10-10:50	Scientific Computing at Jefferson Lab: Petabytes, Petaflops, and GPUs	Chip Watson (JLab)
10:50-11:10	Break	
11:10-12:00	The Analysis Framework at CDF	Elena Gerchtein (FNAL)
12:00-12:30	CLAS12 Data Analysis Coordination, Planning and Funding	Graham Heyes (JLab)
12:30-2:00	Lunch	

CLAS12 Software Workshop Program (Afternoon)

2:00-2:20	Overview of the CLAS12 Software Enterprise	Dennis Weygand (JLab)
2:20-2:50	CLARA: Service oriented architecture based PDP application development framework	Vardan Gyurjyan (JLab)
2:50-3:10	The JANA Reconstruction Framework	Dave Lawrence (JLab)
3:10-3:30	Event Reconstruction - The Big Picture	Mac Mestayer (JLab)
3:30-3:50	Socrat - CLAS12 Electron Reconstruction	Sebastien Procureur (Saclay)
3:50-4:10	Break	
4:10-4:30	Reconstructing CLAS12 events using JANA	Maurizio Ungaro (UConn)
4:30-4:50	gemc – A Modern Simulation for CLAS12	Maurizio Ungaro (UConn)
4:50-5:10	Simulation Results for CLAS12 From gemc	Jerry Gilfoyle (Richmond)
5:10-5:30	CED12 – Seeing Tracks Through Thick and Thin	Dave Heddle (CNU)
5:30-5:50	Code Sharing and the EVIO Package	Elliott Wolin (Jlab)
6:00-8:00	Reception in the Gottwald Atrium	