

HPS Software Intensive

Tuesday May 24th, Wednesday May 25th

Goals of intensive

- ❖ This is a “work meeting” (so bring your laptop), few formal presentations.
- ❖ Get the main people working on software for the HPS together.
- ❖ Teach org.lcsim essentials to newcomers.
- ❖ Introduce some of the Jlab software infrastructure that may be useful to HPS:
 - ❖ Gemc
 - ❖ Ced12 & bCNU
 - ❖ Clara framework
 - ❖ Data storage & Computing infrastructure.
- ❖ Work out some essential software bits:
 - ❖ Data structures and conversion to LCIO
 - ❖ ECal in simulation
 - ❖ ECal trigger and analysis into org.lcsim

Tentative draft schedule: Day 1

- ❖ Tuesday:

- ❖ Morning:

- ❖ 8:30 am -- Org.lcsim & LCIO -- Introduction presentation
 - ❖ 9:00 am -- Analysis tools in lcsim & LCIO world - interfaces to ROOT etc?
 - ❖ 9:30 am -- Hands on lcsim/LCIO explorations.

- ❖ 12:30 am -- Lunch break.

- ❖ Afternoon:

- ❖ 2:00 pm -- ECal Clustering & Trigger algorithms.
 - ❖ 3:00 pm -- Hands on Porting algorithms into lcsim.

Day 2

- ❖ Wednesday:

- ❖ Morning:

- ❖ 8:30 am -- Jlab Software:

- ❖ 8:35 am -- Gemc -- Maurizio

- ❖ 9:05 am -- Clas Event Display (CED12) -- Dave Heddle?

- ❖ 9:40 am -- Data storage & Computing at Jlab -- ?

- ❖ 10:15 am -- Clara

- ❖ 11:00 am -- DAQ & EVIO

- ❖ required data structures in EVIO

- ❖ conversion EVIO to LCIO

- ❖ Afternoon:

- ❖ Continue code productions/ learning.