Current Data Files and Monitoring

GlueX Run Coordination Meeting
November 20, 2014
Justin, Kei, Paul, Sean

- Where to look
- 3 min. tutorial on webpages
- Overview of current data, monitoring
- Looking Ahead

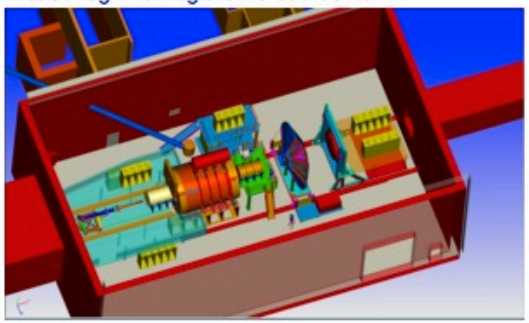
Where to Look

page | discussion | view source | history — Log in

Main Page

Welcome to the GlueX Wiki!

Please log in or register to add content.



navigation
- Main page
- Community portal
- Current events
- Recent changes
- Random page
- Help

search
Go | Search

toolbox
- What links here
- Related changes
- Special pages
- Printable version
- Permanent link
- Cite this article

Meetings	Commissioning
Publications	Run Shifts
Talks	PAC Proposals
Conferences	Service Statements
Reviews	Beam Tests

Special Information:

Communication	Web Sites	Documentation
HallD Phone Numbers	GlueX Homepage	GlueX Document Database (Public)
HallD On-Call Systems phone numbers	Hall-D Website	GlueX Document Database (Private)
Email Lists	GlueX Portal	Hall D E-Log
Institutions/Individuals	GlueX Pictures	Technical Information
Calendar	Google Search of this Wiki	E-logs
Communications		

Overviews
- GlueX Project Overviews
- GlueX Physics
- PrimEx in Hall-D
- $\pi^{\pm}$ polarizability in Hall-D
- Construction Movie

Data Monitoring
- Data Monitoring Procedures
- Plot Browser
- Run Browser
- Time Series

Software
- Offline Software
- Charged Particle Tracking
- Physics Analysis
- MOU Status

Infrastructure
- Engineering
- Installation
- ESH&Q
- Configuration Management

Technical Design Report
- Instructions
- Status table

Detector Systems
- Target
- Start Counter

Overview of Monitoring

- Have been running offline monitoring on incoming data
- Data taking periods relatively short (<1 day)
- Saving plugin results against svn revision
- Results transferred to webpages (Justin), run info saved in DB (Sean)
- During data taking, we will re-run the offline monitoring on previous runs on Friday evenings

Overview of Current Runs

- Runs:
  - 940 - 996: 1000A field, taken Nov. 6
  - 1129 - 1195: 0A field, taken Nov. 16-18
  - 1280 - 1286: 0A field
- Each file contains 1k - 200k events
- Many changes in configuration makes simple comparisons difficult
- Several problems during data taking (next slides)

Current Issues

- Online monitoring not working
  → David L working on this
- Still no way to correlate ADC and TDC timing
  → Beni working on this
- Data stream has been corrupted by extra “word” for some runs, led to slot 3 not being read out
  → fix by David L checked in
- DAQ crashing/stopping
  → Sergey, DAQ group working on this

Looking Ahead

- Sean, David working on unified DB that contains run info
- David's run info page: http://www.jlab.org/Hall-D/test/RunInfo/
- Once current run is over, run offline monitoring over files on raid disks, compare to results from tape
- If there are any requests, comments, etc., please let us know