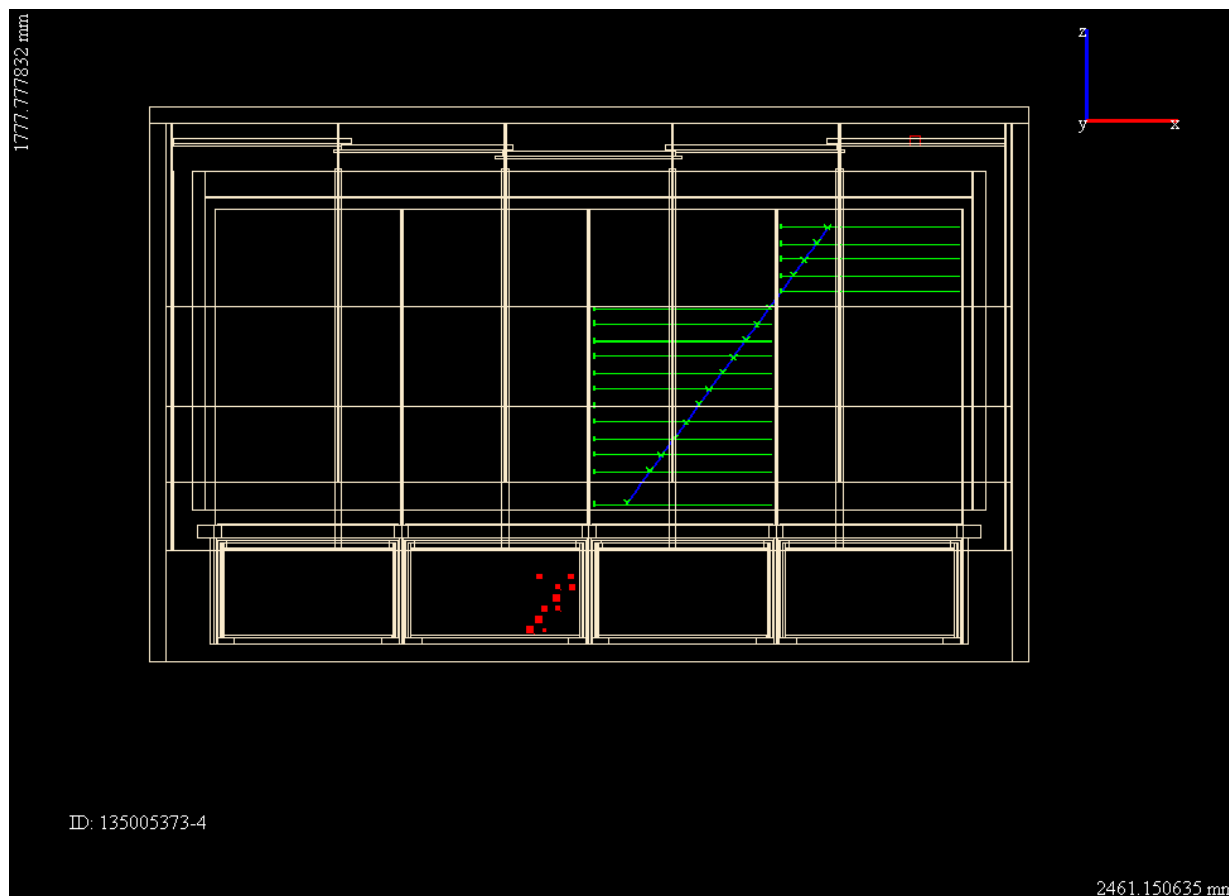
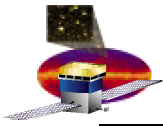


Announcements



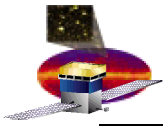
Anders W. Borgland

Science
Verification,
Analysis and
Calibrations
/
ISOC



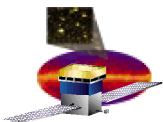
Flight Software Runs

- Transition to Flight Software continuing:
 - Debugging still going on!
 - But there is light at the end of the tunnel!
 - And it ain't a train coming
- For each FSW run:
 - We make all the usual:
 - SVAC, Merit and CAL ntuples
 - Digi.root and Recon.root files
 - Digi and Recon data reports
 - All runs are in the runs database!
 - One change:
 - No Configuration report:
 - » No snapshots in LICOS/FSW
 - We will eventually use the configuration key in the data itself to query MOOD to get this information
 - Until then:
 - » We are working on a temporary solution
 - » Hope to make a sort of Configuration report shortly
 - Will have the **intent** of the configuration!



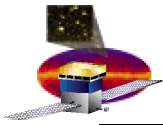
Flight Software Runs

- LCI:
 - LAT Charge Injection
 - Will start making digis for LCI next week:
 - Until then we only put the run into the runs database without digitizing it
- Run duration:
 - You can find it in eLog
 - May also contain file upload time:
 - Takes several minutes
 - Be careful using this time to calculate the average trigger rate:
 - Will come out 20% too low in a 10 minute run
- Disk space:
 - Serious problem!
 - To save space:
 - Delete **recon.root** files after the run has been processed
 - Keep digi.root and SVAC, Merit and CAL ntuples
 - If you need the recon.root file for a specific run:
 - Let us know
 - We will recreate it!



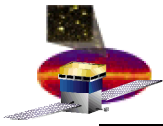
FSW Muon Runs

- **We are also taking FSW muon runs!**
 - **LAT 701:**
 - The new 'B2'
 - Flight/default configuration
 - Multiple trigger engines:
 - » See Eric Grove's presentation in C&A meeting February 06, 2006
 - ROI:
 - » 'Veto' Mode
 - » ROIs shadow each tracker
 - » The events are read out even when they are 'Vetoed' (ground operations special!)
 - **LAT 711:**
 - New 'B10'
 - Muon gain
 - Four range readout in some trigger engines
 - Should look similar to the 701 runs.



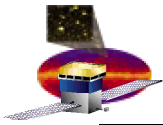
FSW Muon Runs

- **Warning:**
 - **Debugging is still going on!**
 - **Known problems:**
 - **ACD parity errors:**
 - » Usually only a few out of 300k events
 - **Occasional configuration error:**
 - » Not seen in the runs I will list here
 - **No periodic triggers yet in FSW: Available next week?**
- **But:**
 - **The data looks great!!!**
- **LAT 701 preliminary runs:**
 - **077002485 - 077002496**
 - **077002503 - 077002509**
 - **077002511 - 077002515**
- **LAT 711 preliminary runs:**
 - **077002457 - 077002465**
 - **077002497 - 077002502**
- **In the runs database:**
 - **Both of these configurations appear as 'intSeApp' (Script name) and have no End2End ID.**



Very Near Future

- **End2End runs this weekend!!!!**
 - LAT Horizontal
 - LAT 701
 - 16h
 - And for free:
 - VDG in parasitic mode 1/3 of the time
- Real soon:
 - More End2End runs:
 - LAT Vertical with LAT 701
 - Change LAT input voltage (27V, 29V)
 - High rate runs
- Need to ramp up analysis:
 - Do you know how to look at runs with multiple trigger engines?
 - Other surprises with FSW?
 - At NRL the LAT will be horizontal:
 - This weekend's runs will show you what it looks like!
 - Better get used to it
- Lots of muon data already available!
 - No major problems in the data as far as we know.
 - But we need people to look at it!
 - This is the time to discover any problems!



Software

- **Software issues:**
 - **Current EngineeringModel does not treat 4-range readout correctly:**
 - Will be fixed next week
 - **Event time stamp variables are empty for the moment:**
 - We need to change them for FSW
 - **Context information:**
 - We need to upgrade the SVAC ntuple
 - **No calibrated quantities available in the ntuples/root files for the ACD:**
 - SAS resource issue
 - We're hoping to have the code ready soon:
 - » But no firm deadline
- **Reprocessing:**
 - I expect to reprocess this weekend's runs in a week or two
 - **No excuse to do nothing right now!**