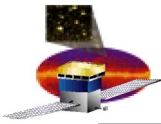


Beam Test Status

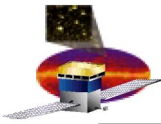
**Eduardo do Couto e Silva, Benoit Lott, and
Luca Latronico
June 29, 2006**



Overview of Activities

- **Beam Test Schedule @ CERN**
 - **Despite accelerator infrastructure problems, the official CERN schedule released for GLAST remained unchanged (reflects the importance of GLAST for CERN)**
 - Low Energy PS/T9, 4 weeks (Jul 27 – Aug 24)
 - High Energy SPS/H4, 2 weeks + 1 day (Sep 4-18)

- **Pisa Workshop III – June 28-30, 2006**
 - **Data Analysis**
 - MC simulations of different experimental set-up configurations
 - » Coverage of scientific goals
 - » Statistics required for each beam configuration
 - » Preparation of analysis tools
 - CU instrument data
 - Calibrations of CU and ancillary systems
 - Implementation of ACD recon
 - **Hardware**
 - Final power supply debugged
 - » implementing final control software after users request and will test with CU
 - Test of last 3 ACD tiles
 - Integration of trigger scintillators from SLAC with ancillary systems
 - **DAQ and Online**
 - Verification of synchronization with ancillary systems and CU
 - Set-up final computers for DAQ, monitor, database and fastcopy
 - Tutorials for online and quick offline monitor

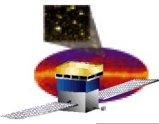


Future Developments and Schedule

- **MGSE**
 - Inner and Outer Shipping Containers (ISC/OSC)
 - End construction (Jul 5)
 - Proof test with grid/mass simulators (Jul 5-7)
 - Surface treatment for cleanliness (Jul 10-14)
 - Support mechanics for dump and scintillators (July 7)

- **Integration**
 - Integration of ISC/OSC with CU + ACD tiles and final system tests (July 17-20)

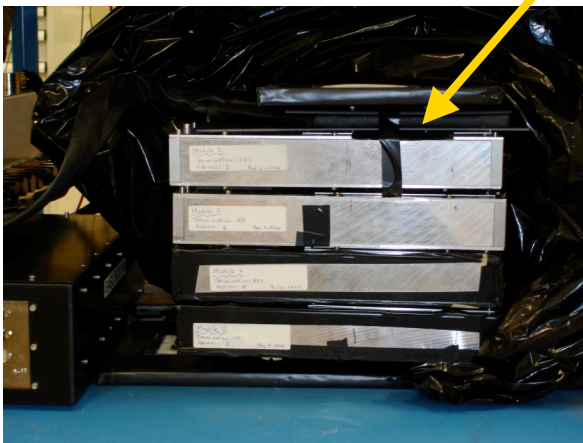
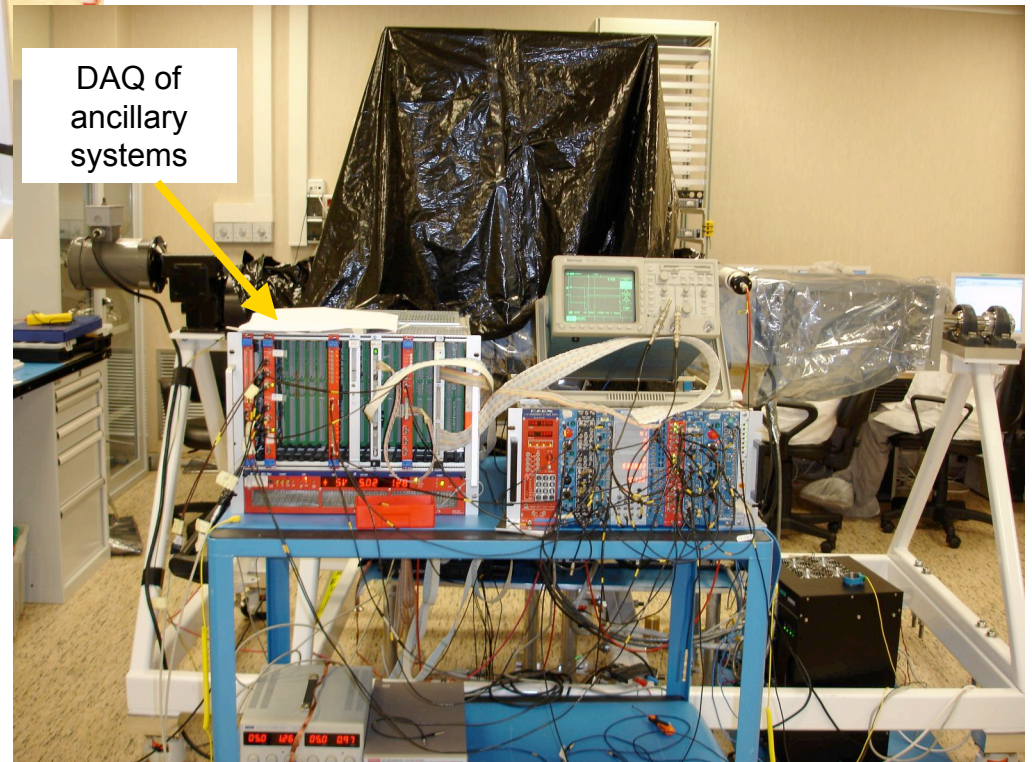
- **Delivery to CERN**
 - Expect presence of experimental set-up and personnel at CERN from July 24
 - Delivery of XY table directly to CERN

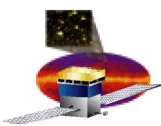


CU Integrated with Ancillary Detectors



Most of the Ancillary Systems will be tested at PS in the week of July 9 as part of a INFN/Bari test request (there is a copy of that now at Pisa)





DAQ and SLAC pipeline working @ Pisa



- Transferred CU data to SLAC via pipeline and populated elog
- DAQ system in Pisa are currently being tested and debugged
- Demonstrated synchronization of both DAQ systems

