LAT Instrument Test Analysis

Eduardo do Couto e Silva

April 26, 2004
2 Tower MC simulations

MC top view of the first two towers to be integrated

Thanks for the help Heather!

100 MeV $\gamma$
Schedule to the Workshop

- There are only **6 weeks** until the SVAC Workshop @ SLAC (June 7-8)
- SAS is helping us to generate common sets of MC events by the end of this week.
  - 100 MeV photons on axis
  - Surface muons (all angles)
  - Van de Graaff photons (all angles)
- We requested SAS to review with subsystems if the current values implemented in the geometry correspond to the description in LAT-TD-00582 (to be updated for flight if necessary)
  - Are the new features of the TKR/Interface implemented in the MC?
  - If there are updates we should produce new data sets for the workshop (hopefully using OPUS by then)
- Working with Systems Engineering to define data taking configurations for the tests during integration
  - During the SVAC workshop we will discuss which ones we will simulate beyond the standard surface muons
  - Eduardo will prepare a preliminary list of configurations by the next analysis meeting
What to do to get involved?

• By May 3rd we will send an email pointing to a web page with information about datasets
  – We are now checking all distributions in the merit ntuple
  – Please, check it yourself if you are not completely familiar with it since soon we will have a discussion on that
  – Are there any other variable that you would like to have?
• Julie is looking at the output of the current system tests
  – Need to revisit the output information and decide what the necessary updates are
  – Julie welcomes suggestions
• Anders and Xin are working with Dan and Heather on infrastructure for MC generation and the workshop’s webpage
  – We already contacted Pat Nolan about setting up a Wiki page.
  – If you have suggestions please contact Anders and Xin
How many are we so far?

- People coming to the Workshop beyond the local group (SLAC)
  - Bordeaux
    - Benoit
  - GSFC
    - Julie
    - Luis
  - LLR
    - Berrie?
    - Pol?
  - UCSC
    - Bill

- On the works...
  - GAM
    - Frederic Piron was going to discuss with his group a possibility to get involved
  - KTH
    - Per Carlson in investigating the possibility of sending someone from Sweden
  - Italy
    - We have no one so far, (Michael expressed interest). We have contacted Ronaldo Bellazinni to explore possibilities

We need more people

From June 11 to 13 the SLAC Guest House is already sold out, make your reservations as soon as you can!
May 3rd’s ANA meeting

- We plan to have a weekly phone meeting to help in the organization on Fridays at 10:00 am PST starting May 7, 2004.
  - Should we set up a new mailing list or should we use the existing ANA or EM lists?

Expectations for the next meeting’s status report

- Web page in place with
  - General workshop description
  - Datasets available for study of analysis ntuple
- Preliminary list of
  - configurations to be generated with surface muons
  - output results from system tests
- Status Report on the current geometry implementation
- New people to join the effort