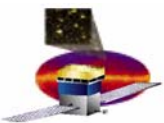# Beam Test Planning News

- **Beam Test**
  - **Submission of GLAST Proposal to CERN**
    - **End of September: initial meeting between European Collaborators and CERN @ CERN**
    - **Early October: initial meeting between European and US Collaborators @ CERN**
    - **Early October: CERN issues call for proposals**
    - **End of October: submission deadline for CERN proposal**

  - **Approval of Proposals by CERN**
    - **November 15: next SPSC meeting**
    - **December 1: Research Board approves recommended beam time**
    - **End of December: final schedules for both the PS and the SPS are available**

- **Coordination Meetings**
  - **Meeting with SPS Coordinator @ CERN (brief summary from Benoit's email)**
    - **Attendees :Benoit Lott, Ronaldo Bellazzini, Luca Latronico, Gloria Spandre, David Smith**
    - **Current baseline: 3 weeks at the PS (T9 line, low-energy, tagged beam) and 3 weeks at the SPS (H4 line).**
      - » **The order of the two experiments is left open for the moment**
    - **Italian Collaborators have experience with photon tagging in the T9 line in 2 past beam tests**
      - » **very good knowledge of the beam settings and a photon tagging station is available (tracker + trigger scintillators).**
    - **Pictures were taken and measurements were made**
    - **Initiated paperwork to facilitate future interactions**

  - **Meeting @ SLAC**
    - **Attendees: Eduardo do Couto e Silva, Elliott Bloom, Gary Godfrey, Ken Fouts**
    - **Gary made an preliminary design concept for the support structure**
    - **We are preparing a list of questions for the meeting @ CERN**
    - **Preliminary discussions on budget and schedule**
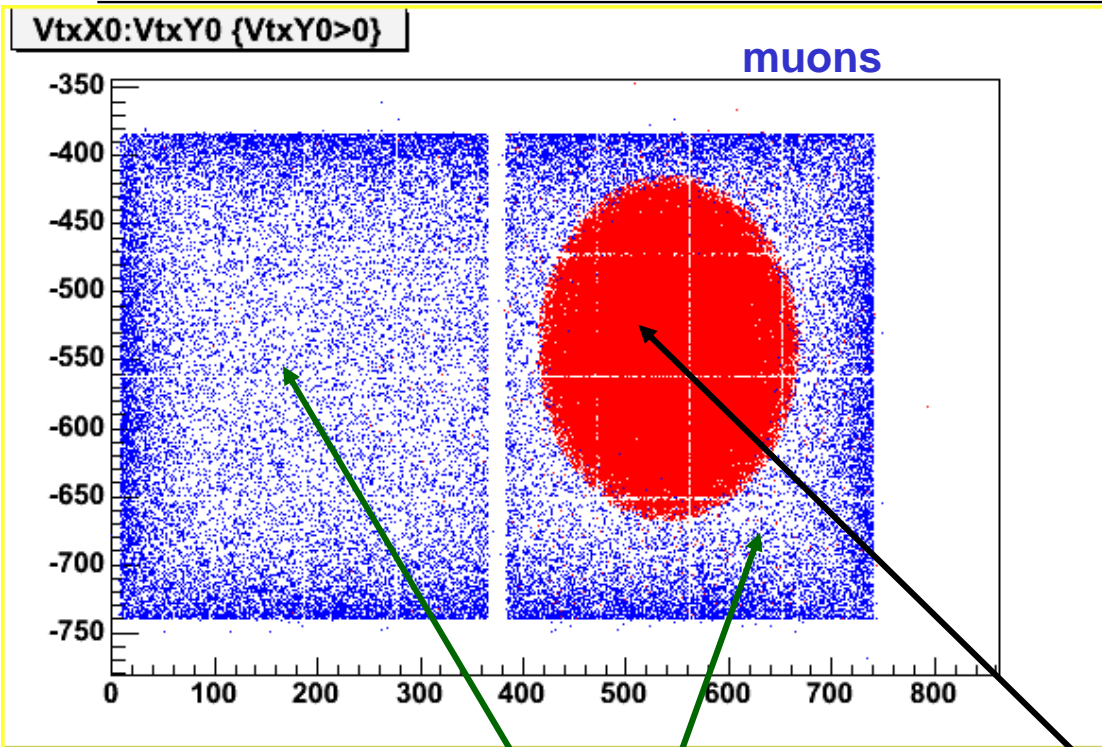   - » **We are currently identifying issues and assessing overlap of activities during beam test period**

Test Beam Simulation News

- **Goals (from Benoit's email)**
  - **short-term: credible estimates of the statistics in connection with the proposal.**
  - **longer-term: refine these estimates and cover the phase space in a more systematic way**

- **Simulations @ short term**
  - **Benoit is running analysis for low energy photons**
  - **Philippe Bruel is running analysis for high energy photons**

- **Simulations @ Long term**
  - **SLAC set up a preliminary web page for data analysis**
    - **http://www-glast.slac.stanford.edu/IntegrationTest/SVAC/Instrument_Analysis/testbeam/default.htm**
  - **Surface muons to check geometry**
    - **100000 generated events , 51368 triggers**
    - **Angular distribution: $\cos\theta$ from 0 to -1**
    - **4 CAL and 2 TKR modules (Where should we place towers?)**
    - **Do we need an ACD (Will ask help from Alex Moiseev)?**
    - **We are using Engineering Model, should we do GlastRelease instead?**
  - **Low energy photons**
    - **50 MeV to 1 GeV with photon brems E^{-1} spectrum**
      - **250000 generated events , 195196 triggers**
      - **Data from last week was with E^{-2} spectrum**
        - » **thanks Benoit for pointing out the mistake**
      - **Is the energy range correct?**
      - **The goal is to consolidate samples and create a common repository**
  - **Pol was working with Eduardo on analysis for low energy photons**
    - **Need to be revisited because we were using wrong spectrum**
  - **Richard strongly suggested we (Anders) start generating MC suing the pipeline instead of by hand**

Simulated Runs

VtxX0:VtxY0 {VtxY0>0}

muons

CAL & TKR

12
8

CAL only

4
0

McEnergy

htemp	
Entries	195196
Mean	370.4
RMS	262.1

Photons