



# Beam test planning report

- Report from our 1<sup>st</sup> general VRVS meeting on 8/11
  - [http://www-glast.slac.stanford.edu/IntegrationTest/SVAC/Instrument\\_Analysis/testbeam/agenda.html](http://www-glast.slac.stanford.edu/IntegrationTest/SVAC/Instrument_Analysis/testbeam/agenda.html)
  - Defined primary goals of test
    - expose the LAT Calibration Unit (CU) to various CERN beams ( $\gamma$ ,  $e^-$ , hadrons from 50MeV to  $\sim$  GeV,  $e^-$ , hadrons up to 300GeV) to
      - tune and check the overall LAT MC simulation
      - constrain systematic uncertainties in science analysis
  - Defined general timeline
    - December 05: CERN approval and schedule
    - January 06: beam test plan release as LAT document
    - End of July 06: start of test
    - December 06: finalize data analysis
  - Working areas and tasks defined
    - Measure/study:
      - PSF, Aeff
      - EM reconstruction
      - backplash, hadronic showers for background rejection
      - Trigger, timing
    - Provide dedicated simulation, reconstruction, data analysis tools
    - Provide CU and ancillary systems – detectors and readout
    - Organize all infrastructures at CERN
- started discussion among all collaborators and collection of volunteers for contributions



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  - discussed use and location of ACD tiles
    - consensus on placing the available tiles away from the beam line
  - current schedule for next meetings is tuesday at 9 PDT, bi-weekly
    - discussing alternatives to accommodate request of european attendees to meet at 8 PDT
    - call for next meeting will circulate this week
- Coordination meetings report
  - agreed on draft division of responsibilities to cover all tasks:
    - GLAST liaisons at CERN
    - PS/SPS run coordinators
    - DAQ/Online coordinator
    - Offline coordinator
    - CU integration and test coordinator
    - Mechanical coordinator
    - Data analysis coordinators
  - final organizational/responsibility chart will be defined this week at SLAC by a face-to-face meeting of coordinators
    - working groups will form and start contributing to the definition of operational plan
  - next priority is writing beam test plan document