

GLAST LAT Project Weekly Report for the Week Ending Feb. 8, 2001

*** CALORIMETER (N. Johnson)

CAL Management (Johnson)

Preparations for Lehman Review dominated the management activities. CAL subsystem presentation was iterated, adding input from French and directives from the IPO.

CAL CsI Crystal Elements (Johnson, Philips)

Second telecon on CsI procurement was held with Per Carlson, France, and NRL. Discussion focused on technical/process questions to offerors and contract options permitted. Contract discussion meeting with offerors will likely occur around March 7th. Leif Nilsson reported progress in test benches for crystal metrology and tests with dummy crystals that had form defects that met dimensioning specs.

A final iteration on EM PIN photodiode spec occurred with Hamamatsu. Request for quote was sent to Hamamatsu. Bogaert and Cretolle visited Hamamatsu, Japan. No report yet; they must be recovering.

CAL Pre Electronics Module (Bogaert, Polytechnique)

No report

CAL Analog Front End Electronics (Ampe)

Investigated electronic performance issues from BTEM Beam Tests.

CAL Balloon Flight (Johnson)

Worked CAL commanding concepts and interface requirements with flight software team.

CAL Software/Design Verification (Grove, Chekhtman)

Alexandre ("Sacha") Chekhtman has arrived at NRL and has begun work on simulations and software development.

Digi class design was distributed, and comments received from core software group members. Digi's will be updated to conform to these comments.

Inspection of the MC geometry (i.e. the CAL instrument description) confirms that it is of the A0 compression-cell design. We (NRL) will work with J. Bogart (SLAC) to insert carbon-cell design into flight geometry file for PDR simulations. Chekhtman created carbon-cell geometry file at CdF.

NRL will migrate test beam energy recon code (tb_recon) to new Gaudi framework for recon of balloon flight data. We will use Hernando's (UCSC etc.) expertise while he's available.

Grove and Djannati-Atai (CdF) will review CAL s/w development schedule with Dubois (SLAC) this week, prior to Lehman review.

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