

Weekly Report for the week ending May 10, 2001

\*\*\* CALORIMETER (N. Johnson)

#### 4. 1. 5. 1 CAL Management

Initiated planning for the CAL Interim Design Review, to be held the week of June 11th.

Participated in TASK FORCE to investigate need for GRID pitch change.

Met with management information system specialists to determine interface and database changes to support financial reporting into PMCS at the IPO.

Participated in SAA response working group (Grove)

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#### 4. 1. 5. 3 Performance Assurance

- Finalized SSD specification which will be used for procuring SSDs.
- Attended CAL electrical and ACD electrical system meeting and discussed parts and process concerns and details required for procurement of parts.
- Selected few suppliers for PEMS.
- Had meeting with GSFC parts engineer to discuss ASICs and connector issues.

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#### 4. 1. 5. 5. 2 CAL CsI Scintillation Crystal

- Test second optical test station at NRL
- Test 5 more custom ADC interface boards
- Fine tuned and measured tapering of reference crystals.

Sweden

Both the optical test-bench from NRL, and the first box of x-tals from Amcrys-h arrived to Kalmar.

(About half of our time has been at the phone, trying to track all sorts of delivery, but it seems that we will have track of most of the things now.)

A short report was send about the delivery from Amcrys-h, and we hope to start the mechanical and optical measurements next week.

Staffan Carius has an ongoing discussion with Per Nilsson in Lund for the arrangements around boule sample testing (everything seems to work nice in Lund.)

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#### 4. 1. 5. 5. 3 PIN Photodiode

Were notified by Hamamatsu of mid august delivery date of new custom diodes

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#### 4. 1. 5. 6 CAL Pre Electronics Module

Continued thermal cycling and light yield studies of GLAST crystal with BM custom diodes and Masterbond flexible epoxy. NRL

France

Held meetings on bonding and crystals integration in VM2.

4. 1. 5. 7 CAL Analog Front End Electronics

Met with IPO Electronics team to status and advance CAL electronics (AFEE) design and interfaces with the TEM

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4. 1. 5. 4. 5 CAL Software/Design Verification

CAL-HI trigger study is still in progress. We are preparing a two-level trigger to provide the needed rejection of interacting CR protons. (Chekhtman and Grove).

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