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\*\*\* CALORIMETER (Carosso)

4. 1. 5. 1 CAL Management

- CAL PDR preparation has been the major activity for the week.
- Schedule and cost update
- International collaboration status

France

- Work on the informal letter which will be written by the French steering committee to the SLAC Direction.
- Work on the WBS and on development plan
- For every body the preparation of the I-PDR is a very important part of the work.

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4. 1. 5. 3 Performance Assurance

- Attended ACD and Cal meetings to discuss Peer review presentations.
- Reviewed EEE parts lists of ACD and CAL and suggested changes.
- Resolved issues of flex cable attachment to Photo Pindiode. Prepared samples which will be shipped to France along with photos and instructions.
- Resolving issues with testing of PEMS, HVcapacitors, connectors, ASICs and processes mounting on PWBs.
- Prepared Safety and Mission Assurance presentations (quality, safety, materials, processes, contamination, reliability, risk management, manufacturing, I&T, EEE parts) for CAL and partially for ACD.
- Providing input on verification Matrix and other presentations

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4. 1. 5. 4 CAL Design

- preparing for trip to Ukraine to visit Amcrys-H and inspect CsI production
- preparing for trip to Sweden to visit collaborators at Kalmar
- tested wrappers and different types of diodes on CsI boule samples
- decided and ordered proposed diodes for boule sample tests
- designed boule sample tester electronics box
- boule sample electronics test box built
- testing various epoxies for CsI- diode bonding
- tested Sylgard primer for CsI- diode bonds. CsI, primer, and Sylgard react to create a mess that does not cure. Sylgard Primecoat will NOT work.

France

- Modify base plate design to add solid part stiffen grid.
- Bordeaux team studied the energy resolution for a single crystal with heavy ions: The level III Calorimeter Specification for carbon 12 energy resolution of 1% seems unphysical. Draft of the report.

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4. 1. 5. 5 Crystal Detector Elements

France

- Received 12 CsI logs from Sweden: Metrology OK on fist 3 logs
- PIN Bonding - 2 samples with DC 93-500 with primer and 2 without primer were mechanically shear tested. It looks like a lack of polymerisation in the samples with primer due to the bad quality of the primer.

FW Weekly Report for the period ending July 19 2001.txt

- Temperature cycling under vacuum machine. 6 cycles will be completed thursday night. Were are 2 set of 8 sample ( CsI + Glass glued by DC 93-500 & EP37). Examined with Photos were is no degradation seen.
- CDE GSE Work in progress on DAQ architecture. Start of the procurement of mechanical & electronic parts.

- Report on mid-May to mid-July measurements on the Saclay cosmic test bench in progress;
  - Additional tests of reproducibility and crystal orientation perform.
- Cosmic test bench ready for Sweden crystals measurements will begin 19 July 2001.

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

France

- Work on the specification of the flex for interconnection.

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

Structure GSE for VM2: Production of parts for VM2 EM tools almost finished. Test should start soon

- Facility: procurement for clean room assembly launched
- PEM GSE - Procurement of hardware and progress in software.

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