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*** WBS 4.1.5 CALORIMETER (P. Carosso for N. Johnson)

4.1.5.1 CAL Management

A set of Technical Interchange Meetings (via telecon / videocon) have been scheduled and are currently underway between the NRL and the French Program Offices to discuss and close all currently open technical issues. The meetings are proving to be very productive.

Detailed review of schedule import to PMCS continued. WBS Dictionary / Schedule logic discrepancies in the P3 product are being identified and removed.

Costing update is continuing.

4.1.5.3 Performance Assurance

1. Visited France and attended reviews on PEM modules. Discussed manufacturing process and quality issues related to flex and PEM modules.
2. Discussed PAIP and EEE parts plan implementation issues and resolved issues related to data needed for flight.
3. Discussed power supply EEE parts requirement, screening, and qualification requirement.
4. Visited power supply vendor and provided comments to Mr. Gunther Haller.
5. Resolved issues related to flex design and manufacturing.
6. Preparing flow diagrams for Chip-on-Board testing.
7. Preparing Integration & Test plan for Calorimeter.

4.1.5.5 Crystal Detector Elements

Continued PIN bonding tests, thermal cycling of optical adhesives. (NRL)

4.1.5.7 CAL Analog Front End Electronics

Finalized Cal connector to TEM and submitted pin definition list. Calorimeter will have 69 conductor right-angle Micro-D connector, Cristek part number MCR-1069-2B1 or equivalent. This will mount to flex cable which is built into the calorimeter circuit board. Have submitted pin list to SLAC which contains 12 power connections, 4 thermistor connections, and 40 signal connections, per calorimeter side. We need from SLAC the connector location geometry in order to design the calorimeter circuit board.

Discussed with French collaborators the PIN diode flex cable design. There are still some design issues to be resolved.

4.1.E.3 CAL Balloon Flight

Continuing basic checkout of balloon flight data. Current report can be found at http://gamma.nrl.navy.mil/glast/balloon_flight_2001/analysis010913.htm. In-flight events that follow within ~0.1-0.2 ms of the previous event should be rejected. A sample cut is included in the summary, but will continue to look for a better one. (NRL)

