

GLAST LAT Project Weekly Report for the week ending Aug 30, 2001

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\*\*\* WBS 4.1.5 CALORIMETER (Carosso)

4.1.5.1 CAL Management

- Prepared Interim Design Review to be held next week in Paris
- Continued updating cost and schedule data for PMCS input

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4.1.5.3 Performance Assurance

- \* Completed PIN photodiode spec.
- \* Completed SSD qualification, QA, and screening plan.
- \* Provided comments for PDR.
- \* Prepared view graphs for risk management.
- \* Prepared rough draft for testing of power supplies.
- \* Attended meetings with GSFC code 562, reliability engineer and ACD.
- \* Resolving issues related to PMT and fiber optic connector.

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4.1.5.5 .1 CDE Design

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

Discussed environmental constraints on CsI(Tl) handling and storage with Bicorn. (NRL)

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4.1.E.3 CAL Balloon Flight

Based on growing concerns about our understanding of the soft electron spectrum at float and in orbit, began reviewing earlier study of literature and models. (NRL)

Continuing basic checkout of balloon flight data. A summary of recent work on electronic calibration, muon calibrations, measuring the light taper during the BF, event multiplicity, and CAL data anomalies is at [http://gamma.nrl.navy.mil/glast/balloon\\_flight\\_2001/analysis010830.htm](http://gamma.nrl.navy.mil/glast/balloon_flight_2001/analysis010830.htm). We once again see that the Y xtals in the BFEM give improperly low signal for events that follow within ~1 ms of the previous event. The effect is non-negligible, but not overwhelming. (NRL)

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