

GLAST LAT Project Weekly Report for the week ending January 18, 2001

*** CALORIMETER (N. Johnson)

Contributions from NRL, IN2P3

CAL Management (Johnson)

Submitted CAL preliminary input to PMCS for Lehman review.

Discussed Lehman review inputs and strategies with IPO and French PI.

CAL CsI Crystal Elements (Bogaert)

Progress on optical bonding between diodes and CsI crystals at CEA and Polytechnique.

Optical test on the CEA test bench, associated to the vibration test, completed and analysis in progress(CEA, Polytechnique)

Created requirements specification for CsI Crystal Test Bench ADC controller (NRL)

CAL Pre Electronics Module (Bogaert, Polytechnique)

Work on analysis and report on joint test at NRL in december (Polytechnique)

3M visible mirror film optical properties under investigation (CEA, Polytechnique)

CAL Analog Front End Electronics

Reviewed GCFE ASIC specifications and discussed French roles in ASIC qualification and testing.

CAL Balloon Flight (Ampe, Grove)

BFEM CAL received at SLAC. Unpacking and setup began on 16 Jan. CAL mechanically integrated into pressure vessel and electrically connected to CAL TEM for stand alone configuration.

CAL baseline performance checked in stand alone configuration using VxWorks boot from CAL GSE PC. Overnite muons and integral linearity runs completed.

CAL integrated with BF power system. Overnite muons and integral linearity runs performed. No obvious problems with BF supply but noticed voltage regulation issues that perhaps need clarification. Collected data will be analyzed at NRL.

Testing began with new CAL TEM card and HEPL Sun environment. No obvious problems detected - muon data collected to be examined at NRL.

Revised CAL documentation and procedures updated.

CAL Software/Design Verification

CAL team from NRL and France participated in week-long Software meeting at SLAC.

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