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

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

Continuing discussions and telephone conferences on organization of French effort.  
Coordination with IPO on PMCS inputs

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

\*Reviewed silicon detectors spec. and added sections related to testing and verification.  
Work in Progress to find a RAD Hard DA converter for LAT.  
Continuous risk management plan for LAT will be distributed by email on 2/17  
Reliability plan is Work in Progress.

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

Contract with Amcryst-H has been signed for the EM and all flight CsI crystals (Per Carlson)

Leif Nilsson and George Johanssen have been visiting NRL for assembly and testing of the CsI Crystal Optical Test Bench. Two units are being assembled at NRL for shipment to Sweden and the Ukraine. The units are completely assembled and undergoing performance and software testing.  
(Phlips, Grove, Nilsson, Johanssen)

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

Updated GCFE ASIC1 design document.

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

Presented list of physics verification tests for GEANT4 simulation of balloon flight CAL to balloon software group (Grove).

CAL-HI trigger study is almost complete. Simulations so far indicate that threshold on single log  $\sim 1$  GeV should have very high efficiency for  $E > 20$  GeV photons and very high rejection for GCRs. A report is in progress. (Chekhtman and Grove).