

Weekly Report for the week ending May 24, 2001

*** CALORIMETER (N. Johnson)

4. 1. 5. 1 CAL Management

Continued cost and schedule update and Interim Review planning.

4. 1. 5. 5 Crystal Detector Elements

CsI Detector Element

Crystal Optical Testing Station analysis software is being given its final cosmetic tweaks. Latest additions include an ASCII analysis summary for entry into the crystal tracking database. (NRL)

Thermal cycling continues on samples of soft epoxy optical coupling. (NRL)

The Crystal Optical Testing Station at Kalmar is running successfully. The HV is under manual control at the moment, until a hardware mod is completed. ^{22}Na spectra have been accumulated. (Nilsson).

Kalmar had visitors from France on wednesday, Gilles and Didier. We had constructive talks about the shipping procedure, customs etc. and Gilles helped Georg to define some spectra from the instrument. (Nilsson)

4. 1. E. 3 CAL Balloon Flight

IVTE format muon data files shows apparently good CAL data. Pedestals are stable at expected values. Muon peaks are visible. An electronic calibration should be acquired once the payload is delivered to GSFC. A brief summary is at http://gamma.nrl.navy.mil/glast/CalSW/May01/Initial_Look_at_BFEM_CAL_muons.htm (Grove).

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

Work continues on the CAL-HI trigger study. We are preparing a two-level trigger to provide the needed rejection of interacting CR protons. (Chekhtman and Grove). Consultation with J. Bogart (SLAC) continues on the implementation of the flight CAL geometry description we submitted last week. (Grove and Chekhtman).

=====