

GLAST Calorimeter Development (WBS 3.0)
Naval Research Laboratory Report for Jan, 2000
W. Neil Johnson

PROGRESS, MILESTONES, DESIGN DECISIONS and TRADE STUDIES

WBS 3.1 Management

Supported Software Workshop at SLAC.

Prepared Calorimeter section for the final Design Study Report.

Supported Simulation Working Group and Beam Test Analysis Working Group computercons.

Prepared for Feb Calorimeter meeting in Paris. Organized presentations and tech reports summarizing crystal studies at NRL.

WBS 3.8 Design and Verification

Continued support of beam test runs.

Began analysis of beam test data. Preliminary analysis focused on pedestals and data sanity checking. Studied total deposited energy for 2 GeV, 5 GeV, and 20 GeV single-positron runs, along with 20 GeV multi-positron run. Began work on shower profiling for single-positron 20 GeV runs. Created map of light-asymmetry for several crystals, from end to end, using 2 GeV positron runs.

FUTURE PLANS

WBS 3.1 Management

Hope and pray for selection as flight instrument.

Organize hadron beam test for spring at GSI.

Participate in GLAST calorimeter meeting at Saclay.

WBS 3.8 Design and Verification

Investigate BTEM calorimeter performance and analyze the data.