

Minutes of 5 July 2000 Cal s/w Meeting

J. Eric Grove

6 July 2000

Attendance:

Eric Grove, Tony Crider, Mark Strickman, Richard Dubois, Arache Djannati-Atai.

Because of VRVS problems, we could never get an audio connection between the US and France, so all discussion used the chat window.

Eric:

CAL is assembled at GSI. First muon data collected night of 5 July. CalGSE has IDL s/w package to find muon peaks and compare to pre-ship muons. Simple procedure will flag any diodes whose optical contacts have degraded since pre-ship run.

Neil Johnson, Bernard Philips, and Jim Ampe are currently setting up BTEM Calorimeter at GSI for heavy ion calibration. Beams will be up to ~700 MeV/u Carbon (nights of 7, 8, and 9 July) and up to ~700 MeV/u Nickel (17-19 July). Neil, Bernard, and Jim will return to NRL after Carbon runs, while Eric, Tony, and Patty Sandora will arrive for Nickel and disassembly. Gilles Bogaert and one or two others from France will participate in the Nickel and disassembly as well.

Richard:

There still is disagreement between energy scale in tbsim and tb_recon. What's the source of the difference? He will rerun after tbsim is updated. He has provided Sacha with run numbers so that same comparison can be run in France.

Arache:

Sacha Chekhtman has been having trouble committing changes to tbsim. Will coordinate with Toby. Sacha is on vacation through July.

Arache:

Continuing to study the maximum energy deposition in a crystal with GLASTSIM. The issue is setting a reasonable upper bound to the dynamic range of the crystal readout. For 300 GeV incident at 60 deg, the maximum in any log end appears to be about 70 GeV. But several issues still remain: What is loss of effective area as a function of the upper bound? What is the effect on profile fitting (or any other energy estimation) from saturation in one or two ends of one or two logs? We agreed that a complete answer to the question of where to set the upper bound must address effective area and energy estimation.

Arache:

CERN beam test this summer is not possible. A window of beam time created this summer by an ATLAS cancellation was essentially taken before we had a chance to sign up. Furthermore, Bill Althouse had expressed dismay at trying to schedule an unbudgeted test that affects the schedule for all of GLAST.