

Discussion Items for BCAL Test Beam Analysis

As a run-up to the Particle Identification and Calorimetry Workshops later this month and in July, it might be worthwhile to list some specific issues and goals for the analysis of the BCAL test beam data collected in September 2006. Here is a proposed start of such a list:

Organizational

1. Identify who will be able to participate in the analysis over the next two months.
2. Identify set of runs for the analysis (position, angles, pre-radiator, etc).
3. Weekly reports of progress – issues addressed and issues outstanding.

Physics Questions

1. Energy Calibration – (a) Status (b) Method to be used
2. Energy resolution as a function of position, angle, pre-radiator
3. Timing Calibration – (a) Status (b) Method to be used
4. Timing resolution as a function of position, angle, pre-radiator
5. Shower profiles as a function of angle – compare with GEANT simulation
6. Reconstructing shower trajectory