Simulation Update and Plans

- After the last meeting T.J. and I updated the WC digitizer to have a electronics threshold and put a tunable charge scale variable in.

  - Maxim will check/tune (done?)

- Also we updated MRD and FGD output so that there is only one hit per detector element.

- Steven started working on getting an estimate of the muon energy based on the FGD or MRD stopping point into the file so we can calculate PC neutrino energy.

Chris Walter
8/02/2004

Processing Issues

- Now we need to process neutrino vectors and make distributions.

- Maxim: tune -> Process and convert old vector file -> Give to Okumura process with tools make distributions -> everything OK.

- Build and run G4 at Kashiwa to get ready for mass production.

- Either use old vectors(with flux reweight) or new vectors (correct position and horn configuration).

- Let's start by making distributions we can make physics statements about(minimum, are there others?) with T2K beam MC.

- Beam Related
  - N/F ratio at 280m and 2km w/different hadronic models

- nue related (both 8 and 20")
  - e/pi separation
  - Pi0 peak
  - nue BG

- numu related (both 8 and 20")
  - Numu spectra up to 5Gev(includes PC in FGD/MRD)
  - ATMPD official plots (ringcounting, PID etc)