Analysis Plans for Meeting

- Since last meeting we got the new vector files we needed.(Kaneyuki/Hayato)

- Finshed tuning G4 MC to through-mu K2K kton data and fixed timing bug (Fechner/Dazeley/Walter)

- We have run the G4 MC and are now running WC reconstruction(Okumura./Higuchi)

- Sucessfully run jnubeam with different MC models(Casper/Dunmore)

- T.J. has estimated muon energy based on stopping poing in the FGD/lAr/MRD

Chris Walter
8/17/2004

Distributions we need for the meeting.

- Beam Related

  – N/F ratio at 280m and 2km w/different hadronic models

  – Predicted flux dependence on nuclear models.

- nue related (both 8 and 20")

  – e/pi separation using polfit

  – Pi0 peak [Can we compare with kton data?]

  – nue BG [show expected at 2km and SK]

- numu related (both 8 and 20")

  – ν_μ spectra up to 5Gev(includes PC in FGD/MRD)(π/K measurement)

  – ATMPD official plots (ringcounting, PID etc)

- Systematic Error studies.

  – ringcounting/fiducial error studies

  – Systematics of event identification within/across detector types.

Tool for MC scanning

WIRED generalized event display that can read HEPREP files made by G4