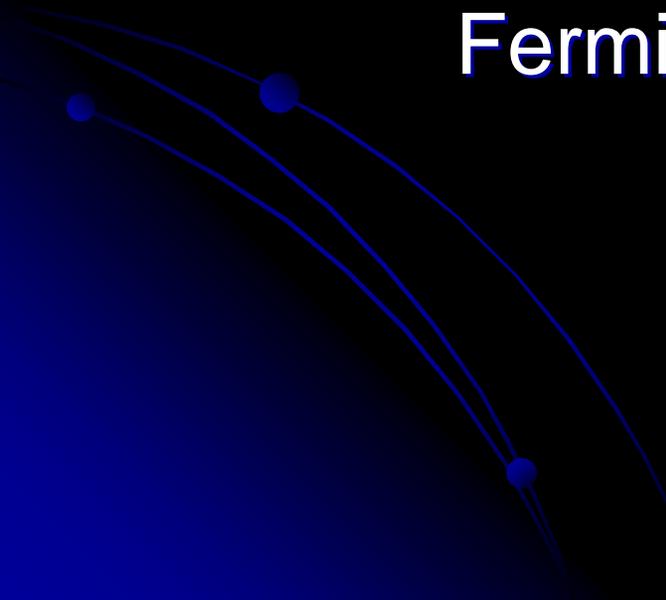


Workshop on Long Baseline Neutrinos

Fermilab, March 6-7, 2006

S. Dawson



Why are we here?

- This is the start of a joint FNAL/BNL physics study
 - Fermilab management (plus Gary Feldman) visited BNL to discuss cooperation on Neutrino physics
- How can we explore the neutrino mixing matrix with long baseline experiments?
 - How does the physics depend on the beam and detector characteristics?
 - What are realistic possibilities?

NuSag has a new charge

- The charge is to study the physics of long baseline experiments with a 1 MW class source
- A crisp statement of the physics possibilities from this group would be powerful input to NuSag
 - Scientific potential
 - Detector and beam options
 - Timelines
 - Sooner is better for the results of a physics study (although NuSag will wait for this study)

Charge to this group

- Will finalize after workshop
 - Envision finishing by Oct 1, 2006
 - The NuSag charge offers an opportunity
 - Consider 2 step process
 - Step 1: A white paper laying out the science possibilities and the R&D milestone necessary to move forward. This could be done quickly
 - Step 2: Real work....
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