

DOE Visit Report and Future Plans

- We met with the DOE representative for the HEP university program and the person in charge of Neutrino programs at DOE.
- Presentations were given by Walter, Kajita and Rubbia.
- The response was very favorable.

Chris Walter
05/18/2006

Outcome of meeting

At the end of the meeting we got verbal feedback

- They said they were very supportive and had nothing negative to say about our proposal.
- They were particularly impressed with our US collaboration which was proposing to fund the WC detector.
- If there was a strong group they also thought US participation in Lar would be exciting. This funding might come through NSF.
- They clearly said that they viewed T2K and NoVa as complimentary and felt they should help with both.

Funding Issues

Main Points:

- We asked for 1/3 of the price (~10M\$) starting in Oct of 2008 so that we could be running in 2011 when the highest intensity beam power arrived, so we could have maximum believability of a result and also insured control of systematics.
- They felt that this amount and schedule of funding was reasonable.
- We asked for them to help with the civil construction in the 1st year so we could get started before the KEK construction funds were available.
- They didn't feel comfortable with this, and suggested some other ways they might be able to contribute in combination with the Japanese in order to get the money when we we needed.
- They won't agree to fund the project before the Japanese government. They would like the approval to happen in parallel.

Next Steps

- Since we are asking for ~10M\$ DOE has asked us to:
 - Submit a formal proposal (~ by the end of this year)
 - At this point they will set up a “Lehman-Like” project-management review for us. This is the first step to getting the funding.
- This means we need to update the proposal to be a formal document and include formal budget WBS spreadsheets etc.
- We have been asked to determine how the Japanese funding agencies can move in parallel and determine the most effective way to share the cost so that we can start construction when we need to.
- We have started the process of arranging meetings with people at KEK etc.

Future Work

- We need to keep doing physics work and plan for the upcoming collaboration meeting.
- Let's start to consider the topics to present:
 - New sensitivity studies including proper statistical treatment(FC technique).
 - Left/Right beam asymmetry studies (Ngrid+L/R)
 - New 2KM Hall etc.
 - New MRD geometry
 - Fiducial Volume studies (include in sensitivity study?)
 - Towards HK/SK-II? Anti-neutrino signal study?

Finally

Congratulations to
DR. Maxim Fechner!

1st Ph.D. featuring the 2KM!