

2KM Overview

2KM Related talks at this meeting

2KM Session	● Left-Right Asymmetry in the beam	A. Mereaglia
	● Left-Right Monitor	T. Kajita
	● FV array PMT Update	G. Mitsuka
	● LAr Update	A. Rubbia
	● Cost estimate update and plans for next ½ year	T. Kajita
SK Session	● Using new tools to study NC π^0 BG for nue appearance	N. Tanimoto
	● Sensitivity and Statistical Issues Update	M. Fechner
	● Sensitivity Update	J. Dunmore
	● Likelihood vs. Mothra	F. Dafour

NuSAG Report

NuSAG report was released 03/06

... "However, if T2K were to detect a signal for ν_e appearance, measurements from the 2KM detector would enhance the credibility of the detection"

... "While the systematic precision of 2KM detectors is nominally not required in the first phase of the T2K program, the credibility of a first- phase appearance signal would be substantially enhanced by the 2KM detectors."

... "The U.S. participation in the T2K program should focus in the short term on the B280 effort. This is crucial to bringing the T2K experiment on line. The T2K 2KM project brings improved systematics that would be necessary in later phases of the T2K program. In the initial oscillation search, it would bolster confidence in an observation, especially if NO ν A were not underway. U.S. participation on an appropriate time scale is supported if possible."

DOE Visit Report

- 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.

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.

Funding Issues

- 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.
- They want to agree to fund the project at the same time as the Japanese government. They would like the approval to happen in parallel even if there is no money from Japan in the beginning of the funding cycle.
- They would like to start funding the experiment now through the DOE R&D Process and asked us to apply for funding.
- 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.