

Agenda for LBNE and IIFC-vP Working Meeting – 6-7 June 2013, Fermilab

Purposes and Goals for the Meeting:

1. Develop detailed work plan for Indian groups within LBNE, with the support of US groups, for the next 6 months. During this period, we assume that no additional funding will be available, beyond what has already been provided by DAE to the Indian groups and what has been provided by the DOE to the US groups or is in the FY2014 President's Budget Request. The work plan should cover simulations and physics studies; initial hardware development; and fleshing out the detailed plan for the first years after Project Annex II is approved, the initial version of which will be developed in this meeting. (See item 2 below.)
 - a. Identify achievable accomplishments, which move us towards the goal of a complete design for the LBNE near neutrino detector.
 - b. Identify required resources and make a plan for obtaining them.
 - c. Lay out a detailed timeline of the work, including who will do what and a set of milestones to allow us to monitor progress.
2. Develop a detailed work plan for Indian groups with the support of US groups for the first 3-4 years after Project Annex II is approved and first funding is provided. This plan should also include work supported by existing DAE funds already provided to the Indian groups, which will extend the work planned under (1) above. US funding will be assumed to be that provided in the latest DOE funding profile for the Project as well as anticipated funding to relevant individual LBNE-US groups.
 - a. Identify key tasks, both hardware and simulations, required to:
 - Complete the design of the near neutrino detector
 - Develop required infrastructure for construction of the near detector
 - Build and test prototype detectors
 - Begin construction of the near detector
 - b. Identify required resource to carry out the plan:
 - Physical space in India for the hardware development
 - Scientific, engineering and technical personal in India and personnel in the US to support the work in India
 - Funding required to support the work plan
 - c. Lay out a detailed timeline of the work, including who will do what and a set of milestones to allow us to monitor progress.

3. Identify opportunities for and develop plan to actively recruit additional institutions in India to work on LBNE and institutions in the US to work with them.
4. Coordinate IIFC-nuP work on LBNE with that on other Fermilab neutrino Experiments.

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Readytalk Connection Information:

Step 1: Dial-In

U.S. & Canada: 866.740.1260

India: 0008006501480 (Toll Free)

India - Bharti: 0008001006026 (Toll Free)

India - Reliance: 00080018774464138 (Toll Free)

Switzerland: 0800705351 (Toll Free)

Access Code: 8402826

Step 2: Web Login

<https://cc.readytalk.com/r/7dh0e4bq5s6o>

CT IST

Thursday, 6 June 2013 --- 1 East (WH 1st Floor)

Introductory Session (Chair: Bob Wilson)

9:00	19:30	(0:20)	Welcome, Goals of the Meeting – Pier Oddone, Jim Strait
9:20	19:50	(0:25)	LBNE Overview: Science and Collaboration - Milind Diwan
9:45	20:15	(0:20)	IIFC, IIFC-nuP, LBNE-India - Shekhar Mishra
10:05	20:35	(0:20)	LBNE Near Detector science goals and opportunities -- Raj Gandhi
10:25	20:55	(0:20)	Status of IIFC-nuP; capabilities of Indian institutions – Brajesh Choudhary
10:45	21:15	(0:15)	Break

IIFC-nuP plan for LBNE in preparation for the November Mumbai meeting (Chair: Christopher Mauger)

11:00	21:30	(0:30)	Deliverables for the November Meeting -- Raj Gandhi, Sanjib Mishra
11:30	22:00	(0:45)	IIFC-nuP plan for LBNE up to November 2013 meeting -- Brajesh Choudhary
12:15	22:45	(0:45)	Discussion of implementation of 6-month plan
13:00	23:30	(1:00)	Lunch

IIFC-nuP plan for design, development and construction of LBNE Near Detector (Chair: Jim Strait)

14:00	0:30	(0:45)	Introduction to 3-year plan for LBNE-India – Sanjib Mishra
14:45	1:15	(0:30)	Discussion of 3-year plan
15:15	1:45	(0:45)	Plan for simulations to support near detector design -- Christopher Mauger
16:00	2:30	(0:15)	Break
16:15	2:45	(1:00)	Discussion on attracting new Indian collaborators to LBNE and engagement with US groups -- Raj Gandhi, Bob Wilson discussion leaders
17:15	3:45	(0:45)	General discussion - summary of day 1, plan for the next day
18:00	4:30	(0:15)	Adjourn for the day

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<https://cc.readytalk.com/r/txaww4951d69> (*Note different link from Thursday*)

CT IST

Friday, 7 June 2013 --- Racetrack (WH7X)

IIFC-nuP plan for LBNE in preparation for the November Mumbai meeting (Chair: Brajesh Choudhary)

8:30	19:00	(0:20)	LBNE Near Detector Requirements -- Sanjib Mishra
8:50	19:20	(0:30)	Plan for STT design and development – Roberto Petti/Vipin Bhatanagar*
9:20	19:50	(0:30)	Plan for Magnet design and development – Sanjay Malhotra* (or Sanjib Mishra on his behalf)
9:50	20:20	(0:30)	Plan for RPC design and development – Roberto Petti/JBSingh(tbc)*
10:20	20:50	(0:30)	Plan for ECAL design and development -- Bipul Bhuyan
10:50	21:20	(0:15)	Break
11:05	21:35	(1:00)	Discussion of 3-year plan for LBNE-India and its further development
12:05	22:35	(0:30)	Meeting summary; next steps
12:35	23:05	(1:00)	End LBNE Meeting

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Participants

Indian Faculty - Present in Fermilab on 6th/7th

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Indian Faculty - Not present in Fermilab

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Sunanda Banerjee	sunanda.banerjee@cern.ch

Indian Students present in Fermilab

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Other indian students

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US participant - Present or not at Fermilab

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