




ICFA Neutrino Panel phone meeting #15 17-Jun-2015 21:00 UTC

London	17-Jun-2015 22:00	BST	UTC + 01:00
Beijing	18-Jun-2015 05:00	CST	UTC + 08:00
Chicago 	17-Jun-2015 16:00	CDT	UTC - 05:00
Madrid	17-Jun-2015 23:00	CEST	UTC + 02:00
Mumbai	18-Jun-2015 02:30	IST	UTC + 05:30
Padova	17-Jun-2015 23:00	CEST	UTC + 02:00
Paris	17-Jun-2015 23:00	CEST	UTC + 02:00
Sao Paulo 	17-Jun-2015 18:00	BRST	UTC - 03:00
Seoul	18-Jun-2015 06:00	KST	UTC + 09:00
Tokyo	18-Jun-2015 06:00	JST	UTC + 09:00
Vancouver 	17-Jun-2015 14:00	PDT	UTC - 07:00
Wroclaw	17-Jun-2015 23:00	CEST	UTC + 02:00

Present: D. Duchesneau, S. Geer, A. de Gouvea, K. Long, T. Kobayashi, M. Shiozawa, J. Sobczyk

Apologies: J. Cao, R. Gomes, S.B. Kim, M. Maltoni, M. Mezzetto, N. Mondal, H. Tanaka, M. Wascko, G. Zeller

Notes:**1. Introduction and adoption of agenda****All**

Principal goal of the meeting is to continue discussion of development of roadmap for accelerator-based neutrino physics.

2. Notes on recent meetings and actions arising:

- The notes were accepted as a record of the meeting on the 19th April 2015. There were no outstanding actions (other than input to the roadmap document).

3. Development of roadmap:**All**

We discussed the sections of the roadmap by section:

- LBL NBB: Kobayashi, Shiozawa
 - Spreadsheet had been updated to reflect present understanding of the NBB programme. Text for the roadmap document needed to be generated.
- LBL WBB: Tanaka, Wascko
 - Spreadsheet for the WBB experiments had been updated. Text to accompany the spreadsheet needs to be generated.
- SBL:
 - Accelerator-based sterile: Geer
 - The timeline in the spreadsheet had been updated to reflect the development of the SBL accelerator programme. SG had prepared some text that needs to be injected into the document.
 - Reactor (oscillation and sterile): Kim, Cao
 - Update needed for the timeline spreadsheet and text needs to be written for the roadmap document.
- Deep underground: Mezzetto

- As for the reactor portion of the document; the timeline and text need to be developed.
- Non-terrestrial source: Mondal, Duchesneau
 - DD and NM had updated the text that they had prepared for inclusion in the roadmap document. In addition, the timeline had been updated.
- Neutrino fixed-target: Sobczyk, Zeller
 - Input needed for both the timeline spreadsheet and the text in the roadmap document.
- Supporting programme Wascko
 - Input needed for both the timeline spreadsheet and the text in the roadmap document.
- Simulation, combination and code development: Maltoni, de Gouvea, Sobczyk
 - Input needed for both the timeline spreadsheet and the text in the roadmap document.
- Non-oscillation programme de Gouvea
 - Text in the roadmap document; we did not feel that there needed to be a corresponding entry in the timeline spreadsheet.

Agreed:

- Goal to produce draft document in time for it to be discussed at the EPS conference in Vienna; 22Jul15;
- So, deadline for contributions to the roadmap 14Jul15.

4. Preparation of the survey:**KL**

KL summarized the discussion with F. Linde, chairman of ApPEC. With an appropriate modification of the ApPEC questionnaire, the information required by the Neutrino Panel can be assembled for Europe. KL will prepare an initial analysis of the 2012/13 survey made by ECFA.

For the Americas, SG suggested that analysis of data collected at FNAL might give an indication of the size of the community and the way it has evolved over time. He proposes to review this data to see whether it can yield useful information. Further development of input might be necessary once we are able to evaluate what is available.

TK and MS indicated that some data may be available to assess the size of the neutrino community in Japan. Since the other Asian representatives were not available at this meeting (the time difference being such as to make the meeting time unattractive) it was agreed that KL would coordinate a discussion of how the size of the Asian peer group might be estimated amongst the Asian panel members.

- **Action KL:** Coordinate a discussion of how the size of the Asian peer group might be estimated amongst the Asian panel members.

5. DONMs

- In person meeting:
 - EPS, Vienna: 22—29 July 2015
 - LP, Ljubjana: 17-22 August 2015

- It was agreed that there was no need for a phone meeting before the EPS and LP conferences.

6. AoB

- The date and venue of the 3rd Meeting on Large Neutrino Infrastructures is still being discussed amongst the Asian Panel Members. The candidate venues are KEK and J-PARC (or both). Candidate dates are 08—09 or 15—16 February 2016. Agreed that KL would consult.

Summary of actions

- **All:** Provide input to timeline spreadsheet and roadmap document in time for a draft document to be assembled in time for the EPS conference; 14Jul15
- **KL:** Assemble draft document in time for it to be discussed at the EPS conference in Vienna.
- **KL:** Coordinate a discussion of how the size of the Asian peer group might be estimated amongst the Asian panel members.

Reminder of our goals for our second year:

1. Engage with establishment: FA reps and Directors;
2. Develop road-map for InuP;
3. Develop proposal for RD programme;
4. Explore opportunities for international collaboration necessary to realise NF
5. Establish clear set of goals for the precision with which ν_μ and ν_e cross section measurements must be made;
6. Initiative to promote best practice in s/w & codes;