

| ICFA Neutrino Panel meeting #17 22-Nov-2015 02:00 UTC |                   |      |             | to | 23-Nov-2015 16:00 UTC |                   |      |             |
|---|-------------------|------|-------------|----|-----------------------|-------------------|------|-------------|
| London  | 22-Nov-2015 02:00 | GMT  | UTC + 00:00 |    | London                | 22-Nov-2015 02:00 | GMT  | UTC + 00:00 |
| Beijing   | 22-Nov-2015 09:00 | CST  | UTC + 07:00 |    | Beijing               | 22-Nov-2015 09:00 | CST  | UTC + 07:00 |
| Chicago   | 21-Nov-2015 20:00 | CDT  | UTC - 06:00 |    | Chicago               | 21-Nov-2015 20:00 | CDT  | UTC - 06:00 |
| Madrid  | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |    | Madrid                | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |
| Mumbai  | 22-Nov-2015 06:30 | IST  | UTC + 04:30 |    | Mumbai                | 22-Nov-2015 06:30 | IST  | UTC + 04:30 |
| Padova  | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |    | Padova                | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |
| Paris   | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |    | Paris                 | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |
| Sao Paulo   | 22-Nov-2015 00:00 | BRST | UTC - 02:00 |    | Sao Paulo             | 22-Nov-2015 00:00 | BRST | UTC - 02:00 |
| Seoul   | 22-Nov-2015 10:00 | KST  | UTC + 08:00 |    | Seoul                 | 22-Nov-2015 10:00 | KST  | UTC + 08:00 |
| Tokyo   | 22-Nov-2015 10:00 | JST  | UTC + 08:00 |    | Tokyo                 | 22-Nov-2015 10:00 | JST  | UTC + 08:00 |
| Vancouver   | 21-Nov-2015 18:00 | PDT  | UTC - 08:00 |    | Vancouver             | 21-Nov-2015 18:00 | PDT  | UTC - 08:00 |
| Wroclaw   | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |    | Wroclaw               | 22-Nov-2015 03:00 | CEST | UTC + 01:00 |

## Venue:

- **Institute for Cosmic Ray Research (Kashiwa campus), room 233**

## Notes on the 17<sup>th</sup> ICFA Neutrino Panel meeting:

The notes that follow were made in discussion between M. Shiozawa, T. Kobayashi, J. Sobczyk and K. Long at the end of the roadmap-writing workshop. Our goal in preparing these notes is to make the discussion of the agenda items as efficient as possible as the Panel meeting has been set at a time that is late in the evening in Japan and those of us who attended the workshop are tired!

Notes on the writing workshop, including the tasks to complete the discussion document are appended to these notes.

**Present:** For initial discussion: J. Sobczyk, M. Shiozawa, T. Kobayashi, K. Long  
For teleconference:

### 1. Introduction and adoption of agenda

- Introduction is given above. Meeting is to close out the roadmap-writing workshop, to make progress on the organisation of the 3<sup>rd</sup> Large Neutrino Infrastructures meeting and to take stock of developments in Europe on the consideration of muon beams for particle physics.

### 2. Notes on recent meetings and actions arising:

Notes of the last meeting to be circulated once for comment. Status of actions:

- **KL:** email senior colleagues to suggest we start organization of 3<sup>rd</sup> Large Neutrino Infrastructure Meeting in September 2015.
  - **Done.**
- **All:** Launch 3<sup>rd</sup> Large Neutrino Infrastructure Meeting organisation following previous model in September.
  - **Done.**
- **KL:** to propose date of in-person panel meeting to full panel by email.
  - **Done.**

### 3. Status of roadmap and discussion of next steps

- The status of the roadmap document is contained in the “ICFA Neutrino Panel” DropBox directory:
  - Roadmap/05-Roadmap-Latex
  - Put link
- Good progress on completing the workshop has been made over the past two days. It is now realistic to complete the draft before Christmas 2015.

#### **4. Discussion of the community survey**

- We initiated the idea of a census of the global neutrino community since it will indicate the strength of interest in the field.
- KL had developed a spreadsheet in consultation with F. Linde, APPEC chair. This had been circulated to the Panel and would serve as the basis of discussion to finalise the questionnaire. TK had also developed a questionnaire to generate the information reported in the roadmap document.
- We agree to compare the TK and KL spreadsheets and develop a plan for the census from there.

#### **5. Third meeting on Large Neutrino Infrastructures: TK, MS**

- The date for the meeting had been identified as Monday and Tuesday the 28<sup>th</sup> and 29<sup>th</sup> of March 2015. It was recognized recently that this clashes with Easter (27<sup>th</sup> March 2015). The timing is therefore poor for Europe and the Americas.
- KEK and ICRR have agreed to sponsor the meeting. Propose to have Kajita-san chair the organizing committee. Proposed organizational structure:
  - Meeting organised by ICRR and KEK with APPEC, APPIC and the ICFA Neutrino Panel;
  - Organising Committee, membership to be defined, but propose:
    - Kajita chair
    - Executive Director KEK, Okada, ICFA Neutrino Panel, APPEC (Chair, Deputy), APPIC (Chair, Deputy), B. Lockyer
- The venue for the meeting will be KEK Tsukuba; a tour to J-Parc may be arranged in conjunction with the meeting.
- The Panel asks the Japanese members of the Panel to initiate organisation of the meeting.
  - Japanese organisers will discuss and propose candidate dates.
- For the Neutrino Panel, one goal will be to use the meeting as the first public presentation and discussion of the roadmap.

#### **6. Report on discussion of potential of muon beams, CERN 18Nov15: KL**

- A meeting was held on the 18Nov15 at CERN to discuss the scientific potential of muon beams. The meeting page can be found at:
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- KL summarised the meeting at the Restricted ECFA meeting on the 19Nov15. The slides presented to R-ECFA were circulated to the Panel.

#### **7. DONMs**

- TK suggests regional face-to-face or teleconference meetings to push the roadmap through to completion and to coordinate the next steps. **KL** will attempt to deliver such a meeting series.

#### **8. AoB**

- None.

#### **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  $\nu_\mu$  and  $\nu_e$  cross section measurements must be made;
6. Initiative to promote best practice in s/w & codes;