

## ICFA Neutrino Panel meeting #21

18Oct16; 14:00 BST

**Present:** H. Tanaka, M. Wascko, G. Zeller, J. Cao, D. Duchesneau, K. Long

**Apologies:** R. Gomes, S. Geer, A. de Gouvea, T. Kobayashi, M. Shiozawa, S.B. Kim, N. Mondal, M. Mezzetto, M. Maltoni, J. Sobczk

### Notes

#### 1. Introduction and adoption of agenda

The period for comment on the roadmap discussion document is now passed. So, now it is necessary to complete a revision of the document. This includes the collection and documentation of the census. This will be the main work of the Panel going forward.

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

The draft notes that had been circulated were accepted.

- **KL:** In September 2016, send reminder to peers to comment on the roadmap discussion document;
  - **Done.**
- **KL:** Circulate spreadsheet once more for comment;
  - **Done.**
- **KL:** Initiate work on census in September.
  - **Done.**
- **KL:** Contact J.Cao to begin arrangements for in person Panel meeting at NNN;
  - **Done.**
- **KL:** Arrange Panel teleconference in September;
  - **Done:** today's meeting.
- **All:** Launch 4<sup>th</sup> Large Neutrino Infrastructure meeting preparation in September.
  - **Stands.** Agenda item.

#### 2. Roadmap discussion document: comments received and plan to complete

We discussed the comments that had been received. All would be taken into account. DD commented on the length of some of the submissions (e.g. the contribution on the sea-water Cherenkov exposed to the LBNF beam). We agreed that appropriate editing to generate a reasonable balance would be done. DD also mentioned that he had some comments on the recommendations from the French funding agency. These he would forward for consideration.

**KL:** will extract comments to a shared directory and begin to edit the document in the svn repository.

**Goal:** have update of the document in time for our meeting in Beijing

#### 4. Neutrino physics community census

We discussed the procedure for making the census. Gathering data from China had been delegated by JC, so data was expected to be available soon. **KL** will contact SG/GZ re US, HT for Canada, RG for Latin America. For Asia Japan will be covered by TK and MS, India by NM, Korea by SBK. Europe is being addressed through ECFA.

**Agreed:** goal for completion of data gathering: **30Nov16**

#### 5. Paragraph for IUPAP C11; C12 and C13

The instruction from J. Fuster (IUPAP C11 Chair) is that we should:

1. Prepare a proposal justifying the creating of "neutrino working group" under C11 with an action plan;
2. Establish links and common approaches and synergies, Based on this document, with C4 (astroparticles) and C12 (nuclear);
3. Analyse the results of the action plan to inform decisions on further steps.

**Action KL:** prepare a draft for 1 for discussion at our meeting in Beijing.

#### 6. 4<sup>th</sup> International Meeting on Large Neutrino Infrastructures

We discussed whether we wanted to initiate a fourth meeting in this series. HT and DD argued that the focus should be on the European role in the global programme. We discussed to what extent we felt this would be welcomed by our community and concluded that some soundings should be taken. In particular we agreed **KL** would take soundings from H. Abramowicz (ECFA Chair), E. Elsen (CERN) and the **KL** or **MW** would contact G. Blair (STFC). **DD** would enquire in France and **KL** would contact other European Panel members to seek views from other countries in Europe.

#### 7. In-person Neutrino Panel Meeting, 06Nov16

The meeting will take place in the Main Building at IHEP, starting at 10:00 Beijing time on Sunday 06Nov16. A video conference will be prepared, details will be provided closer to the time. The goals of the meeting will be to:

- Review the roadmap document and agree the steps required to finalise it;
- Agree the documentation for IUPAP C11 and Nature;
- Review progress and plan next steps in the census data-gathering exercise; and
- Review the status of feedback on the fourth large infrastructure meeting.

The following Panel members plan to come in person: JC, KL, SBK, HT and DD. MW will join by teleconference.

## 8. Paragraph for Nature

Nature have requested 500 words as an abstract for the opinion piece we have agreed to provide once our roadmap document is complete. **KL** will prepare a draft for discussion at the Beijing meeting.

## 9. DONMs

Next in person meeting will be on the 6<sup>th</sup> November 2016 at IHEP.

## 10. AoB

None.

## Summary of actions

- **All:** Launch 4<sup>th</sup> Large Neutrino Infrastructure meeting preparation in September.
- **KL:** Extract comments on discussion to a shared directory and begin to edit the document in the svn repository.
- **All:** Initiate the collection of data for the census using the agreed spreadsheet.
- **KL:** Contact panel members where necessary to discuss data gathering for census.
- **KL, MW, DD, European Panel members:** Take soundings to understand whether a fourth large infrastructures meeting would be welcome in Europe (see item 6).
- **KL:** Prepare a 500-word abstract for Nature.