

ICFA Neutrino Panel meeting #19

08Jul16; 13:00 London time

Present: M. Shiozawa, M. Mezzetto, J. Cao, D. Duchesneau, T. Kobayashi, S.B. Kim, H. Tanaka, K. Long, A. de Gouvea

Notes

1. Introduction and adoption of agenda

No notes of introduction; agenda was accepted,

2. Notes on recent meetings and actions arising:

Notes of recent meetings were accepted.

- **KL:** Draft email to community explaining that the roadmap will be announced at Neutrino 2016.
 - **Done.**
- **KL:** Attempt to prepare a draft timeliness plot to be discussed at the Panel meeting at Neutrino 2016.
 - **Stands.**
- **KL:** Check with ApPEC/ECFA to understand why the FTE fraction was not recorded in the past.
 - **Done.** Strong pressure to stick to FRA, reasons:
 - For PhD-students and postdocs FTE, FRA, body count are basically all identical i.e. these people work almost always for 100% on a single project;
 - For staff, wish to know the number of people above a certain critical level of contribution.
 - The FRA is essentially a count of the number of persons.
- **KL** will re-edit questionnaire and circulate for comment.
 - **Done.**
- **KL** draft a letter that could be used, with appropriate modifications, to consult the stakeholders.
 - **Done.**
- **KL** organize in-person meetings at Neutrino 2016 and ICHEP 2016.
 - **Done.** Meeting will be on Saturday 06Aug16 in person at ICHEP and by teleconference.

3. Report from presentation at ECFA

KL presentation to ECFA was well received. Discussion covered much of the same ground covered after the presentation at KEK. In particular, it was observed that the field of neutrino physics is much broader than that addressed by purely accelerator-based experiments. There was encouragement to discuss at IUPAP meeting the

concept that there might be a road to walk with the particle-astrophysics communities. Also, there was a comment that the timetable that we have set out was not well aligned with that of the next European Strategy Refresh. It was agreed that the Neutrino Panel census data gathering would be carried out in parallel to the census activity being implemented by ECFA.

In conversation after the presentation, J. Mnich, ICFA Chair, also encouraged the search for a way forward with the particle-astrophysics community.

4. Roadmap discussion document: comments received

MS reported that SuperKamiokande wished to add some text to cover solar-neutrino measurements. We felt that this was appropriate in the “not-terrestrial source” section.

AdeG emphasised the need to check that supernova neutrinos are mentioned appropriately in the text. There are two places where these can be mentioned, non-terrestrial source and non-oscillation programme.

We agreed that there was a need to advertise the comment deadline in sufficient time for comments to be received. Most likely this is in September after the summer break (**action**).

HT had been approached by Nature after his presentation of the roadmap discussion document at Neutrino 2016 with the request for a “commentary” on the Panel’s work when the roadmap discussion document is finalised. All felt that this was a valuable thing to do.

5. Neutrino physics community census:

We discussed the countries and regions in turn. For Europe we will work through ECFA, this was accepted at the R-ECFA meeting. For the Americas, we agreed that RG and AdeG would poll the Latin American countries. Asia would encompass Australia, New Zealand. **Agreed** that we’d need a list; **KL** to generate. We noted that there is neutrino-physics activity in South Africa and that we should make sure to include consideration of the African region when drawing up the list of countries to be contacted. Again, **agreed** that we’d need a list; **KL** to generate.

We discussed and **agreed** the timetable discussed at our meeting in KEK:

- 10Aug16: revise questionnaire after stakeholder feedback (ICHEP ’16)
- Mid Sep16: launch data gathering
- Wk 1 Nov16: receive data form stakeholders
- Wk 1 Dec16: circulate digest of results to stakeholders
- End Dec16: finalise census section of roadmap doc

Next discussion will be at our meeting at ICHEP 16.

6. Peer-group and stakeholder consultation

We discussed the steps that had been taken to consult the stakeholders. In addition to the various presentations, HT had discussed with TRIUMF the steps by which to communicate to the Canadian peer group. His feedback was to bring the document to the attention of the peers and solicit feedback. KL had passed the document to STFC

and requested feedback. RG had contacted Brazilian funding agencies. Consultation in Japan had taken place in preparation for and during the 3rd International Meeting on Large Neutrino Infrastructures.

We **agreed** the following steps:

- Need to re-inform the community of the opportunity to comment on the interim document after the summer break; and
- The 4th International Meeting on Large Neutrino Infrastructures will be the venue for us to report on the final roadmap document.

7. Timetable to finalise roadmap and census

Timetable laid out above.

8. DONMs

- 06Aug16, at ICHEP: predominantly by teleconference.
- 03-05Nov16: during NNN in IHEP [<http://nnn16.ihep.ac.cn>] (set date/time via Doodle)

8. AoB

HT addressed the request from Nature for a commentary on our work. Noted above.

Summary of actions

- **KL:** Attempt to prepare a draft timeliness plot to be discussed at the Panel meeting at Neutrino 2016.
- **KL:** In September 2016, send reminder to peers to comment on the roadmap discussion document;
- **KL:** Generate list of countries to be consulted in Asia and Africa.