

ICFA Neutrino Panel meeting #20

06Aug16; 13:00 Chicago time

Present: SBK, SG, AdeG, KL

Verbatim

1. Introduction and adoption of agenda

- KL thanked Panel members for input on the note to P. Bhat for her presentation on the various ICFA panels that would be presented on Sunday 07Aug16.
- We discussed how the Panel might evolve after we bring the roadmap to completion. Ideas, including working with representatives of the particle-astro community were discussed. We noted that the “deep-underground” neutrino programme (neutrinoless double-beta decay, etc.) and the large “super-large” detector programme (IceCube, ANTARES etc.) were all gaining momentum and delivering greater sensitivity and measurements with greater precision. It is to be expected that the constraints on the accelerator-based programme coming from these experiments would increase. We agreed that we needed to consult to understand the value of a development of the Panel’s work.
- In 2019 the SBN Program will begin its neutrino-mode data-taking phase at FNAL. It is anticipated that results will begin to emerge after a couple of years to results, Anti-neutrino running will then begin. At this time, the new reactor-based experiments may also be producing results.

2. Notes on recent meetings and actions arising:

Notes of previous meeting accepted.

- **KL:** Attempt to prepare a draft timeliness plot to be discussed at the Panel meeting at Neutrino 2016.
 - **Done.**
- **KL:** In September 2016, send reminder to peers to comment on the roadmap discussion document;
 - **Stands:** take action in September 2016.
- **KL:** Generate list of countries to be consulted in Asia and Africa.
 - **Done:** a useful list of countries may be found at:
http://www.nationsonline.org/oneworld/countries_of_the_world.htm.
 - The region is indicated. Need now to work through to check whether there are any institutes in particular countries.

3. Roadmap discussion document: comments received

None of those present had new feedback to report. Next step is to remind the community to send in comments as noted in the last action above.

4. Neutrino physics community census:

- **KL** will circulate the spreadsheet once more for comment. Then will work with colleagues in ECFA to develop an SQL data-base for the collection of the data.
- We discussed the need to draft an email to solicit input to census in the Americas. HT will consult in Canada and RG in Brazil. SG and AdeG will develop draft email and consult to find whom to send the discussion document to in NSF and DOE. Must also take care to contact all relevant Latin American countries.
- Consultation in Asia may need to be done by contacting individuals. Asian Panel members will need to consult.

5. Reprise of timetable to finalise roadmap and census

- Initiate work on census in September and also send reminder to peers to comment on the discussion document (**action KL**).

6. Preparation for ICFA/IUPAP meetings

- Notes made under actions above.
- We discussed the place of neutrino physics within particle physics activity; from science to practical implications (e.g. movement of people). Connections with other communities within particle-physics experimental landscape will become increasingly important.

7. DONMs

- In person meeting at NNN (J. Cao to arrange, **KL** to make contact)
- Teleconference: September (**KL** to arrange)
- 4th Large Neutrino Infrastructure (launch preparation in September).

8. AoB

- None.

Summary of actions:

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