

ICFA Neutrino Panel Phone Meeting #9; 24Jun14; 08:00 CET

Present: D. Duchesneau, S. Geer, S.B. Kim, T. Kobayashi, K. Long, M. Mezzetto, N. Mondal, M. Shiozawa, H. Tanaka, M. Wascko

Apologies: J. Cao, R. Funchal, A. de Gouvea, M. Maltoni, J. Sobczyk, G. Zeller

Notes:

1. Impressions from meeting/roundtable:

Points noted from our discussion:

- Discussion focused on long-baseline programme in the context of a global particle physics programme. Issue of complementary LBL experiments discussed. Clear wish for the benefits of the wide- and narrow-band beam options to be summarized clearly (Lockyer);
- The need to make the case for a neutrino programme that can be accepted by all particle-physics peers and, if there are to be two complementary experiments, then the need for the complementarity (and to some extent the redundancy) needs to be made in the global particle physics context;
- Issue of European long-baseline plans discussed especially by Bertolucci. Clear importance of the LAGUNA-LBNO and WA programme to the realization of a liquid-argon based long-baseline programme recognized in terms of development of feasibility and demonstration of large volume detectors at “reduced cost”;
- Nakada emphasized the importance of making the case for the over-constrained measurements necessary to test the SnuM paradigm;
- Ritz made the point that the NuPanel could make a substantial contribution by asking the right questions. This point was picked up by SG who suggested items such as: articulating quantitatively the benefits of two, quantitative experiments; the quantitative need for the supporting hadro-production and cross section programme.

We agreed the following actions:

- **HT/MS:** Short note on benefits of narrow-band beam serving water Cherenkov;
- **MW:** Short note on benefits of wide-band beam serving LAr detector;
- **KL:** Make contact with M. Spiro to explore Panel APPIC connection and Turner to explore Panel connection with OECD Astro-particle-physics international forum

2. Comments from FA closed meeting

Some impressions of the positive and constructive meeting were discussed.

3. Actions for today:

Seek to clarify:

- Potential of partnering with APPEC, APPIC, non-accelerator, non-particle-astro communities;

To consider for the future:

- Short-term vs longer-term aspects of the programme;
- Timeline for MH and CPiV determination/search.

4. Steps for the coming year:

We discussed the ambitions outlined in our Initial Report including the idea that we would want to arrive at a roadmap. We agreed that to have a discussion a straw-man version should be produced that could be torn apart (**Action, KL**).

We discussed the interaction with FAs and lab directors. We agreed that this would be best done if we had in hand a set of questions that we could consider sending to the representatives in advance of the discussion. This led to two actions: **KL** to make an initial list of discussions and a possible timetable; **All** contribute questions that we can discuss and rank. The questions should be classified as those that we would like to ask the funding agencies/lab directors and those we'd like to ask the community.

5. Next phone call:

KL to Doodle for:

- Phone meeting in week of 14th July 2014; and
- Phone meeting in week of 21st July 2014.

Summary of actions:

- **HT/MS:** Short note on benefits of narrow-band beam serving water Cherenkov;
- **MW:** Short note on benefits of wide-band beam serving LAr detector;
- **KL:** Make contact with M. Spiro to explore Panel APPIC connection and Turner to explore Panel connection with OECD Astro-particle-physics international forum
- **KL:** Draw up strawman roadmap for discussion/revision etc.
- **KL:** Draw up initial list of FA/lab discussions and a possible timeline
- **All:** Contribute questions for FA/lab discussions for revision etc.