

Fourth meeting of the Nufact11 SPC

18 May 2011

Present

Harold Kirk

Maury Goodman

Jim Strait

Takuya Hasegawa

Paul Soler

Vittorio Palladino

Tricia Vahle

Takuya Hasegawa

Mike Zisman

Naoito Saito

Elena Wildner

Ilias Efthymiopoulos

Jorge Morfin

Ken Long

Mike Kordosky

Any other that I did not note (please complete)

Apologies Roland Garoby, Terranova, Kaplan

Indico site for the meeting

<https://indico.cern.ch/conferenceDisplay.py?confId=139943>

Round table discussion

Pier Oddone has accepted invitation with some reserve

Questions to Round table panel

Draft questions were put together by Zisman, Huber, Dracos, Kuno and circulated – Thanks!

Some comments were formulated in particular to split the question 6 – as it is phrased it is ambiguously meaning that the neutrino factory might be build elsewhere than CERN in Europe.

Notes for local organizers (kept here not to be forgotten!):

important in announce of seminar to announce also the round table on future neutrino facilities in the global physics environment.

during seminar before round table to write on the blackboard that the round table follows immediately the seminar

Action: Alain to put questions together using the comments and send to round table members.

NUFACT discussion

Was agreed that this kind of discussion is useful, but could be a down-spiriting event if held on the last day.

Action Will place Nufact discussion on Thursday afternoon.

Action Jorge, Ken Long, Vittorio and Alain will come up with a list of issues to address. And circulate. Suggested issues:

-- coordination with other neutrino meetings (and possibly frequency)

- topics addressed and balance among them
- general organization issues (rotation of conveners, question list, poster session, parallel sessions, proceedings)

Review of plenary talks

One important question was phrased by Ilias: can we come up with a simple ‘flagship’ answer to the question ‘what do we care about neutrino physics’ or ‘what would we lose if we gave up neutrino physics’ with the aim of e.g. speaking among accelerator physicists or to engineers and technicians.

Action: Alain to add to question list and forward question to the relevant plenary speakers (Wark, Senjanovic, Mavromatos, Gavela)

Program New list issued by Ilias (see indico site). Many speakers were confirmed

Action Organizers need to nominate chairs of sessions!

Still pending:

Monday is complete [Monday: careful to spell out beforehand start of meeting organization](#)

Tuesday:

- T.Schwetz to press E. Lisi about talk on challenges of future neutrino osc. Physics (On-going)
- Takuya Hasegawa to find speaker on T2K future (with T. Kobayashi)
- Ilias to find speaker on “options for (super) neutrino beams at CERN” (hadron decay beams)
- H. Kirk to press Densham about superbeam MMW target talk

Wednesday:

- (Alain)D-Chooz will provide speaker for review of (all present and future ideas) reactor experiments
- Ilias to ask Carlo Rubbia for PS talk
- (J Morfin) future short baseline neutrino oscillations physics at Fermilab will be provided by Bill Louis and Richard Van de Water

Thursday

- (Alain) K. Long will nominate IDS-NF speaker on status of neutrino factory design studies
- Ilias to contact Rob Edgecock for review of future R&D experiments needed for SB, BB, NF
- Pending : Alain and Paul to discuss and agree on content and speaker on beam monitoring and near detectors for SB, BB, NF (suggested: Roumen Tsenov, Debbie Harris, Walter Winter...etc)

Friday at CERN

- Alain to press Belen Gavela
- (Zisman) Steve Geer declined talk Towards muon collider. Shiltsev been asked.

Working group programs have made substantial progress (see interim status on indico site)
All working groups reported progress and displayed a program.

Please let me know if you remember particular comments that were made on the WG programs and that I did not note.

General comment: highly recommend a rich program! However allow time sparingly for the moment until all received abstracts have been processed and the joined sessions established. Comment specifically on WG3: make effort to include talks on expertise gained in the conventional beams (T2K, NUMI, LBNE)

Joined sessions

We identified three specific joined sessions

1. joined session between WG1 , WG2 (and WG3 to be discussed, at least some experts in beam instrumentation) *Flux control and systematic errors in oscillation experiments*

2. Joined session between WG3 and WG4 : (WG3 and WG4 conveners to organize together) *novel ideas on intense muon beams*

3. Joined session between WG1, WG2 (and WG4, to be discussed) (to be organize between WG1 and WG2 conveners. Please interact in particular with Svoboda and Soler) *detectors and detector technology*.

Action Alain to email conveners to get them going on this.

Action Conveners need to collect talks from the various sessions that would be relevant to these topics and assign a time needed for session. (then place it in the global time table)

Action (Ilias) time to publish the agenda and give the conveners access rights to their sessions.

Action (Alain) make a new round of advertising for NUFACT and NUFACT School

Next meeting 15 June May 15:00 GMT (17:00 CERN time)

Aims by then;

-- all plenary speakers should be finalized.

-- WG conveners should have filled agendas

-- Joined sessions should be timed and begin to be organized

-- make a status of abstracts submitted.

Notes by Alain Blondel