



Meeting site: IFIC, Valencia

Date and time: October 25, 16:00-20:00

Attending: Pilar Hernández, Alain Blondel, Anselmo Cervera, JJ Gómez-Cadenas, José Bernabeu, Steve Boyd, Mike Zisman, Yoshi Kuno, Carlos Peña Garay and Andrea Donini.

Connected via VRVS: Paolo Strolin, Kevin McFarland, Debbie Harris, Malika Meddahi, Federico Sánchez, Chris Walter and Paul Soler.

IMPORTANT: This minutes contain only the questions that were raised at the meeting and the summary of the discussions, not every single point in the talks. It also contains some decisions that were taken.

Talk by Anselmo Cervera on the organization of the workshop

- Nufact dates fixed: June 30th to July 5th (monday to saturday)
- Conference venue Botanic Garden
- Summaries moved to saturday morning with respect to Anselmo's slides. This gives more time for the preparation of summary talks
- Summary talks should focus on key questions and answers raised at the beginning of the workshop, not a list of the talks
- SPC meeting at the end of saturday morning summary session
- Time for discussion should be removed from the agenda to avoid speakers taking that time systematically. For example a session of two hours could contain 4 talks of 20 minutes each
- Poster session accepted. It will be a light dinner some day with discussion going on at the same time. This will allow young people to participate actively. This will also help in reducing the number of talks
- There should be time both in plenary and in parallel sessions for a lot of discussion. Sessions should be organised on subject-based not on a sequence of talks.
- Final overview talk should be a personal view over the situation of our community, our goals for the near future (possible with some hints on how to reach 2012 with a clear proposal to be submitted to funding agency). Question: we need a well-chosen speaker.

Talk by J.J. Gómez-Cadenas on the School

- School should be held just before the workshop. This is in conflict with EPAC, which will be held in Italy from June 23 to June 27. No clear dates yet
- Benasque (in the Pyrenees) is the default site, but it is not available after the 22nd. A possibility is to have most of the school there and three days in Valencia, focused mostly in computing exercises. Other sites under consideration
- Strolin: introduce discussion leaders. That could alleviate work for teachers.
- Try to produce a syllabus early enough
- Comments by Debbie Harris: “many of us in the US think it makes sense to join the 2009 NuFact school with the Fermilab/KEK school in the summer of 2009, and one way that could be done is by having parallel sessions as well as plenary sessions. Kevin also added that it might be worth thinking about this kind of format for this school as well (2008), just to see how it works, and in the interest of making the NuFact08 school more general. The Fermilab/KEK school last summer had about 55 participants, many who were working on non-accelerator neutrino experiments (but who we'd still like to get excited about neutrino factories!)”
- SPC will be announced soon

Talk by WG1 Conveners (Pilar Hernández presenting)

- Important to maintain synergy with other non-neutrino oscillation physics
- What physics can be done if θ_{13} is large with a NuFact or a betabeam?
- Look for active chair/discussion leaders for animating the discussion in each session. Could they be the conveners themselves? Debbie Harris more or less suggests that a session secretary takes charge of taking times and so on, whereas the chair focus on the scientific part of the session. It is better to have people different from conveners to organize the sessions....
- The time of a session is fixed, the number of talks should not exceed a given number, but how the time is allocated depends on how the session develops
- There could be a splitting of WG1 between technological talks on R&D and pheno/theory/experimental talks focusing not on hardware aspects
- Experience from current and past experiments concerning detector technology and cost is important for designing new experiments. There should be talks focused on that (i.e. MINOS scintillators, magnetic field, cost, etc)

Talk by WG2 Conveners (Steve Boyd presenting)

- WG2 got a bit detached from the rest of nufact people
- Should focus again on what neutrino scattering physics can be done and it is needed at a future facility
- There is need to include discussion on detectors for neutrino scattering physics at new facilities inside WG2
- Focus on near detector, for nufact, betabeam and superbeams, there is a lack of discussion on the near detector for these facilities
- The near detector is an interesting synergy between WG1 and WG2, a good opportunity for a joint session

- What about non-oscillation physics that can be done at a given neutrino factory/ betabeam/superbeam detector? Dark matter and things like that...
- Need for cross-sections comes for oscillation physics, not because of the QCD theorist that want to study higher twist ...
- However, near detector can do a lot of things
- Perhaps the organization in widely separated WG's is not the right thing to do

Talk by WG3 Conveners (Malika Meddahi presenting)

- Focus should stay on facilities in design, not on existing facilities or in construction
- Same idea of other WG: summary not a list of all talks. Lot of time for discussion and few input/triggering talks (few slides)
- Important: coordinate well the joint sessions.... To create debate...
- Overlap with EPAC? **WG4 (Some comments by Yoshi Kuno and discussion)**

- None of the WG conveners connected
- In the near past, WG4 was focusing mainly on near future facilities, not on nufact-related staff
- Synergies or conflict with Nufact beam, it should be discussed
- Nufact will provide a lot of muons. Are they useful to do muon physics?
- The community is not doing long term plans...
- LFV experiments are not getting immediate benefit from the nufact beam

Short talk by Alain Blondel

- A list a questions to be answered at the workshop by each working group could be useful. These questions should be addressed to the WG conveners
- Some of these questions were shown by Alain (see talk at the web page)
- It is important to drive somehow the workshop to a decision on the next facility by 2012

Final discussion and next meeting

- There will be a phone meeting before Christmas to review the status of the program
- WGs should communicate between them in the period from now to the christmas phone meeting
- A web page (blog) will be created allowing the WG conveners to write the questions to be answered by each working group and to show the current status of the program. This will facilitate the communication between SPC, WG conveners and Local Organising Committee.