



SHiP

18 December 2014

**Minutes of the 1st SHiP Country Representatives Board
(CERN, Geneva, 15 December 2014)**

Present:

H. Dijkstra (CERN), M. Titov (France), J. Chauveau (France), H. Lacker (Germany), C. Hagner (Germany), W. Bonivento (Italy), M. Komatsu (Japan), V. Shevchenko (Russia), D. Milstead (Sweden), N. Serra (Switzerland), M. Campanelli (UK), L. Shchutska (USA), J. Panman (Chairman), E. van Herwijnen (Secretary), A. Golutvin (interim Spokesperson), R. Jacobsson (CERN local contact person)

Excused:

R. Tsenov (Bulgaria), H. Hakobyan (Chili), S. Xella (Denmark), A.M. Guler (Turkey), all represented by J. Panman. N. Polukhina (Russia), represented by V. Shevchenko.

1. Introduction. J. Panman, Chairman of the Country Representatives Board.
J. Panman welcomed the delegates.

2. News. A. Golutvin, Interim Spokesperson.

Technical Proposal and Physics Paper:

A first draft of the Technical Proposal and the Physics Paper will be ready for the Napoli meeting. For the Technical Proposal the conveners plus selected people from newly joined groups will prepare the draft. For the Physics Paper the theory conveners plus selected experimentalists will prepare the draft. Their names will be communicated soon.

3. Country Representative Board

- Eric van Herwijnen was nominated as permanent secretary.
- There should be one representative per country, or in case there is more than one Funding Agency, one representative per Funding Agency. In some countries groups are still waiting for approval from their management to join.
- Golutin showed the table of countries with tasks in his concluding presentation: <https://indico.cern.ch/event/351435/contribution/8/material/slides/1.pdf>.

4. Creation of the SHiP Collaboration

Groups that contribute to the Technical Proposal will join the collaboration. This list will remain internal until the Napoli meeting.

The author list will be finalised during the Napoli meeting. This list accompanies the minutes and will be published on the web: <http://ship.web.cern.ch/ship/Constitution/Default.html>.

Group leaders should report any mistakes and updates to the chairman of the CRB by Friday 19 December 2014.

To date: ~170 proposed authors, 44 groups, 13 countries.

Country Representatives are not yet requested to come with funding, but they should start to think about the process of obtaining it.

At this point, the SHiP Collaboration was formally created by the groups represented at the meeting. In the round table, the representatives indicated briefly how their groups will contribute:

1. R. Tsenov (Bulgaria) - simulation and nu-tau detector
2. H. Dijkstra (CERN) - CERN management (S. Bertolucci, L. Mapelli) supportive. 6 senior physicists and 1 fellow from Ph Dept work on SHiP and approximately 20 from other departments. Funds will only follow after SPSC approval.
3. H. Hakobyan (Chili) - simulation, integrate genie with FairShip
4. S. Xella (Denmark) - Trigger, DAQ
5. M. Titov (France, CEA/Saclay) - Saclay can join once it has been approved by the scientific council. Individuals (6 people) are encouraged to join.
6. J. Chauveau (France, IN2P3) - 2 groups (Paris VI, LAL Orsay) are almost ready to sign, 1 not (Marseille). Paris has 3 physicists and a senior electronics engineer. They would like to participate with the TP editorial work, electronics, the cylinder tagger (a photo detector facility is being recommissioned). In Orsay 1 physicist and 1 senior engineer (whose authorship will be decided by the Naples meeting) have an interest in the calorimeter and the SAMPIC chip.
7. H. Lacker (Germany) - cosmics bg, liquid scintillator, photo detection. Small group, in Atlas. Funding non trivial. BMBF will fund CERN approved experiments once there is a critical mass of institutes. The German Research Foundation can also provide funds.
8. C. Hagner (Germany) - the Opera precision tracker is being dismantled and could be re-used for the nu-tau detector. A BMBF funding application from Nov. 1st is being modified to upgrade the modules for SHiP. They hope to get one more position. They have experience in low energy neutrino physics and could participate in the strawtube tracker and electronics.
9. W. Bonivento (Italy) - 8 groups are ready to sign, covering the nu-tau detector and PID detectors. They have some funding for travel to CERN until about June 2015, and will apply for more funding in June for the rest of 2015.
10. M. Komatsu (Japan) - 5 groups from Opera. nu tau detector emulsion preparation and analysis. Do not expect problems getting funding.
11. V. Shevchenko (Russia) - Much enthusiasm and attention in Russia. Would like to introduce an 'associate membership' status. St.Petersburg State Polytechnic University (SPbSPU) would be associated to PNPI, Gatchina; Tomsk cluster (TSU and TPU) - to Chilean cluster (UTFSM, CCTV); JSC NIKIET, already working for vacuum vessel design for SHiP - to NRC KI. 8 full member institutes, 1 private (Yandex SDA) and 1 international organisation (Dubna).
12. D. Milstead (Sweden) - 2 groups (Stockholm & Uppsala). Groups from Atlas. Electronics & DAQ. They have an analog shaper & Hcal readout demo. 2 staff + fraction of an engineer in Stockholm, 1 in Uppsala (working on the DAQ chapter of the TP). Funding after the TP.
13. N. Serra (Switzerland) - 3 groups (Geneva, EPFL and Zurich), 2 professors in each group. A grant was received and will start hiring in January. A new request for 2M has been made. Work on sensitivity studies and design of the veto timing detector.

14. M. Campanelli (UK) - 4 University groups (Imperial College, University College, Warwick, Bristol) and RAL. 2-4 people at professor level, engineers at RAL. Background simulation and control, active muon shield, veto around vacuum vessel, trigger & DAQ.
15. L. Shchutska (USA) - Florida. 3-4 people, CMS group. tau \rightarrow 3mu lepton number violation. Also muon detectors and muon trigger. The request was not yet sent, but will be coming.

It was decided to form the collaboration with the groups present and represented, with the exception of Saclay, who will clarify their situation shortly, and the Florida group, once a request is received.

It was also decided to make the option of "Associated Member" described in the constitution (see http://ship.web.cern.ch/ship/Constitution/interim_constitution.pdf). Member Institutes will propose Associated Member candidates in writing to the Chairman of the CRB.

A. Boyarski is trying to create a Nikhef-Leiden-Kiev group.
The Florida group (USA) are strongly encouraged to send a letter expressing their wish to join.

5. Chair of the Country Representatives Board

E. van Herwijnen was nominated as interim chairman of the CRB. His task will be to set up a search committee for the CRB chairman and to organise the election process. A. Golutvin thanked the outgoing chairman, J. Panman, on behalf of the SHiP collaboration for his excellent work.

6. AOB

D. Milstead enquired how frequently the CRB will meet. It will normally meet 3 times per year, coinciding with the SHiP Collaboration meetings (1 outside CERN, 2 at CERN).
As these meetings are better held with people physically present, they will normally not be accessible via vidyo.

There being no further business, the chairman closed the meeting.