SND@LHC Collaboration

Minutes of the 11th SND@LHC Institute Board (Zoom, 13 December 2021)

Present:
M. Bogomilov (Sofia, Bulgaria), S. Kuleshov (SAPHIR, Chili), H. Lacker (Berlin, Germany), R. Wanke (Mainz, Germany), A. Pastore (Bari, Italy), M. Dallavalle (Bologna, Italy), A. Di Crescenzo (Napoli, Italy), M. Komatsu (Nagoya, Japan also representing Toho S.Ogawa), C. S. Yoon (GNU+Associates, Korea), K.Y. Lee (GNU, Korea), M.A. Guler (METU Ankara, Turkey), O. Ruchayskyi (NBI, Denmark), A. Boiarskyi (Leiden, The Netherlands), N. Leonardo (LIP, Portugal), T. Shchedrina (P.N. Lebedev Institute of Physics, Russia), E. van Herwijnen (MISiS, Russia), T. Roganova (Skobeltsyn Institute of Nuclear Physics, Russia), T. Ruf (CERN, Switzerland), G. Haefeli (EPFL, Switzerland), C. Betancourt (UZH, Switzerland), A. Golutvin (ICL, UK), M. Campanelli (UCL, UK), N. Polukhina (Chairperson, also representing MEPhI, V.Shevchenko), G. De Lellis (Spokesperson), R. Jacobsson (Technical Coordinator), W. Funk (Resource Coordinator)

Invited:
A. Vignes-Magno (CERN)

1. Minutes of the previous meeting

M. Campanelli remarked that he did not participate in the vote, rather than arriving after the vote. The minutes of the IB of 20 October 2021 were approved.

2. News from the management (G. de Lellis)

It is important that we understand the performance of the detector before we start taking data next year. The test beam data for the energy calibration should be fully analysed. This work should be coordinated by the Physics and Software meeting, but all groups should participate in the effort.

3. News from the Technical Coordinator (R. Jacobsson)

We shall have access to the detector until Friday March 24. Institutes should be flexible as regards their travel plans to CERN, bearing pandemic restrictions in mind. We can expect 12 weeks of luminosity production: 7 weeks until a technical stop at the end of September, followed by 5 weeks until the start of the heavy ion run. We expect 35 fb^{-1} (although past experience with the LHC has shown that the machine will deliver more if all goes well). This would mean 1.5 emulsion replacements, i.e., 2 full batches plus 1/5 = 100 m^2. It was noted that Japan will provide 20 m^2 of emulsion next summer.
The organization of shifts, the load of which should be shared among all institutes, will be discussed at the next IB.

4. News from the Physics Coordinator (A. Di Crescenzo)
It is important that we now move from the construction of the detector to data analysis. We need to develop the tools to have a full simulation that describes our data. There will be a working group on early measurements, in particular the muon flux.
The emulsion replacement strategy will be planned in advance. With the electronic detectors we shall be able to measure the occupancy in the emulsion in real time. A few bricks will be placed inside the cold box so that they can be removed and developed in a short time to ensure the emulsion is safe.

5. Ratification of the Chairperson of the Editorial Board (N. Polukhina)
The election of the Chairperson of the Editorial Board, E. van Herwijnen, was ratified.

6. Status of MoU for Construction (W. Funk)
Some clarifications will be made. The MoU for M&O will go out next year. When all the numbers are available a new version will be posted on the IB Indico page (MoU). There will be a Financial Review in October 2022.

7. Next Collaboration meetings
At CERN: Wednesday/Thursday 16/17 March, week of October 3rd and the week starting 12 December.
Outside CERN: 14-16 June, Anacapri, see A. Di Crescenzo's slides.
G. Haefeli mentioned that E. Graverini had expressed interest in organizing the 2023 outside CERN meeting at EPFL.

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

N. Polukhina