



SND@LHC Collaboration

**Minutes of the 5th SND@LHC Institute Board
(Zoom, 21 May 2021)**

Present:

M. Bogomilov (Sofia, Bulgaria), T. Camporesi (CERN), M. Dallavalle (Bologna, Italy), A. Di Crescenzo (Napoli, Italy), A. Golutvin (IC, London), M.A. Guler (METU Ankara, Turkey), H. Lacker (Berlin, Germany), R. Wanke (Mainz, Germany), M. Komatsu (Nagoya and Toho, Japan, also representing S. Ogawa, Toho), C. S. Yoon (GNU+Associates, Korea), K.Y. Lee (GNU, Korea), A. Boiarskyi (Leiden, The Netherlands), N. Leonardo (LIP, Portugal), V. Shevchenko (Kurchatov, Russia), T. Shchedrina (P.N. Lebedev Institute of Physics, Russia), E. van Herwijnen (MISiS, Russia), T. Roganova (Skobeltsyn Institute of Nuclear Physics, Russia), L. Shchutska (EPFL, Switzerland), C. Betancourt (UZH, Switzerland), M. Campanelli (UCL, United Kingdom), G. De Lellis (Spokesperson), W. Funk (Resource Coordinator), R. Jacobsson (Technical Coordinator), N. Polukhina (Chairperson, Lebedev, Russia)

Excused:

S. Ogawa (Toho, Japan), T. Ruf (CERN), S. Simone (INFN, Bari), M. Cristinziani, University of Siegen, Germany), S. Kuleshov (UNAB, Santiago, Chili)

Invited:

L. Soraya Pommepuy, A. Vignes-Magno (CERN)

1. SND@LHC Status

G. De Lellis informed the IB of the forthcoming LHCC Focus meeting on 1 June where the status of the detector construction and funding will be discussed. It is important that the MoU is finalized by the time of this meeting. This was the reason that the IB meeting was brought forward from June 29th (as announced in the minutes of the previous meeting).

A document describing the status of the LHC experiments for Run 3 is in preparation. SND@LHC will have to contribute a paper.

2. Minutes of the previous meeting

The minutes of the IB of 16 April 2021 were approved. N. Polukhina congratulated A. Di Crescenzo for designing the SND@LHC logo that won the hotly contested logo competition.

3. Progress and schedule of SND@LHC

R. Jacobsson presented the progress and schedule of SND@LHC.

Concerning the installation of the emulsion, flexibility will be required. At start-up it will be wise to employ a small quantity of emulsion, due to the high rate of neutrons that will be present during the LHC commissioning. A. Golutvin remarked that the production time for emulsion (about 30 sq m) will be approximatively 2 months, followed by a week (including custom) for transport. By August/September the quantity of emulsion that we intend starting with in January 2022 should be known. R. Jacobsson said that we are aiming to get an opportunity to (re)place the emulsion during an 8-hour shift in April 2022.

T. Camporesi reassured H. Lacker that the testing area is clean, i.e., free of sources of dust.

R. Jacobsson replied to T. Camporesi that only during the surface commissioning we will require to supply technicians. This will probably take place during the Christmas shutdown, likely until the end of January. However, it should be noted that access to the experimental caverns is independent of access to the LHC tunnel.

4. MoU status

W. Funk presented the MoU for Construction. This will help member Institutes to secure the funds for their commitments. Institutes that are not explicitly mentioned in the MoU for Construction will be able to show their entry in the Greybook to secure funds for travel to CERN during the Construction. Once the minutes of the Research Board (in which SND@LHC was approved) have been published, SND@LHC will get a “3rd party” account (this used to be a “team” account). Institutes can use this to make purchases for equipment if they do not already have a “team” account of their own.

An Addendum or a new MoU for Maintenance and Operation, where all member Institutes will be asked to sign, is in preparation.

Institutes will be requested to send W. Funk a monthly expenditure report.

T. Camporesi remarked that the CERN rules now stipulate that ownership of equipment remains with the Institutes, implying that they are responsible for dismantling and recuperation. CMS has stipulated in their MoU that ownership of equipment is transferred to CERN. SND@LHC might want to do the same. This point will be re-addressed in a forthcoming meeting.

N. Leonardo remarks that, reading the “general conditions” in annex 7 of the MoU, it is not clear whether such note should need to be added to the MoU, and if it needs to be done prior to signing; or whether it would suffice to have a separate agreement with CERN stipulating its agreement to receiving “a donation of Equipment”, if needed, at its end-of-life or earlier.

G. De Lellis remarked that the currency of the amounts in the MoU should be given (in CHF).

5. Constitution

E. van Herwijnen has prepared a draft of the Collaboration’s Constitution and will circulate it after the meeting. It will be presented for approval at the next IB.

6. Next IB meeting

The next IB meeting will take place on Tuesday June 29, after the Collaboration meeting.

There being no further business, the chairperson closed the meeting, thanking the SND@LHC Secretariat. L. Soraya Pommepuy and A. Vignes-Magno for their help.

N. Polukhina