

Minutes of the 5th Meeting of the SBN Oversight Board (Fermilab, June 14, 2019)

Attendees:

S. Bertolucci (INFN, Italy; remote)
S. Brice (Chair)
J. Evans (UK; remote)
A. Ereditato (Switzerland; remote)
A. Guglielmi (ICARUS)
O. Palamara (SBND Co-spokesperson, remote)
C. Rubbia (ICARUS Spokesperson)
D. Salmieri (ICARUS Scientific Secretary)
M. Shaevitz (US NSF, remote)
D. Schmitz (SBND Co-spokesperson)
R. Wilson (US DOE)

Fermilab: S. Schuler (Secretariat), E. Johnson (Secretariat), C. James (SBN Program Deputy Coordinator)

Not in Attendance:

M. Nessi (CERN)
R. Rameika (SBN-IB Interim Chair)

Action Items

1. Finalize SBN Oversight Board Meeting dates for 2020.
2. Would like a presentation from the MicroBooNE experiment, invite spokespeople to give an update on progress and discussion on involvement with SBN.

Introduction and Review of Last Meeting

S. Brice, SBN Oversight Board Chair, welcomed the members and participants to the Fifth Meeting of the SBN Oversight Board, and reviewed the action items status from the 8 March 2019 meeting.

1. Send invite to ICARUS & SBND and include goals for the SBN analysis workshop in Oxford (UK) on March 30-April 3, 2019. Email sent.
2. Would like a presentation at the next SBN-OB meeting from the Trigger/DAQ Joint Working Group. On the Agenda, Wes Ketchum will present.
3. Send out final version of the Statement of Principles for Data Sharing, Analyzing, and Publication within the SBN program. Final version sent out 6 weeks ago.
4. Steve will send out a draft Statement of Principles for SBN Common Operations to be discussed at the next SBN-OB meeting. On the Agenda, draft sent out a couple of months ago.

SBN Project Update, C. James

C. James, SBN Program Deputy Coordinator, provided an SBN project update.

Slides were presented that covered updates on the Far Detector ICARUS technical progress and Near Detector SBND technical progress including milestones, Transition to Operations, and Safety & Work Planning.

Request to add ICARUS when referencing the Far Detector; will include ICARUS as well as adding SBND when referencing the Near Detector.

3 detector or 2 detector program was brought up and how MicroBooNE will interact with the program going forward. A presentation from MicroBooNE was added to the action items for the next quarterly meeting.

Joint Working Groups, O. Palamara

O. Palamara, SBND Co-spokesperson, provided an update.

Slides were presented that covered updates on the SBN Joint Working Groups status & activities and a summary of the SBN Analysis Workshop held in March/April at Oxford (UK). Wes Ketchum presented an update on the SBN DAQ and Data Pre-Processing working group.

Discussion on data taking and how to combine ICARUS and SBND data that is not taken simultaneously. Assurance provided that the Booster Neutrino Beamline running has been extremely stable for the last 16 years.

Fermilab sent a notice to running experiments of main accelerator modified run times for May and June 2019. This should have included yet-to-be running experiments. Concern this reduced running could happen again. There is strong support by Fermilab and DOE not to have this happen next year.

Update from DAQ and Data Pre-Processing Activities, Wes Ketchum

Slides were presented that covered group goals, status, software, timing signals, hardware and infrastructure, control and management, monitoring and databases.

Where and how the data will be stored was brought up and who will have access. A full copy will be stored in Europe and INFN is in the loop to define how and where it will be stored. Meetings with INFN are being planned with the working group.

Discussion of Statement of Principles for SBN Common Operations, S. Brice

A one-page document was sent out a month ago, slide presented.

Almost all discussion centered around Principle 1: Discussion on shifts run by all members of the SBN groups. Concern was expressed on taking shifts on experiment you did not sign up for. Some SBND groups are not funded to take shifts on ICARUS. Shifts need to be run when the beam is not running for safety monitoring. Need to define roles and responsibilities of shift takers and experts, experiment specific knowledge needed to take shifts. Experts will be on call, relying on alarms for issues. Concern was express about not having a presence in the detector building. Regular walk throughs of the detector building. Need two people on shift at Fermilab until the detector is running stably. Once running stably should be able to reduce to one person on shift and start shift taking from remote locations. This is the model followed by MicroBooNE.

Tabled for now with more discussion needed.

The SBN-OB meeting was adjourned.

Next meeting 3 months from now September 13, 2019