Statement of Principles for Common Operations within the SBN Program

This document lists a set of principles to be followed within the SBN program. A list of members of the SBN program can be found at the end of this document. The list is maintained as Annex 1 of the SBN Multi-Institution MOU and updated by the SBN IB Chair.

These principles cover the common operations of the SBN Near Detector and the SBN Far Detector. These principles form the basis for a separate document that establishes detailed detector operations rules and procedures grounded in the principles of this document and possibly including MicroBooNE operations.

## **Principle 1: All detector monitoring shifts will be taken by members of the SBN program and will monitor both the SBN Near Detector and Far Detector.**

* In particular, in the period when only the SBN Far Detector is operating, the shifts will be taken by SBN program members
* At Fermilab shift taking will be performed in the ROC-West control room.

## **Principle 2: Wherever it makes sense, the same subsystem in the SBN Near and Far Detectors will have a common approach to operations**

* e.g. Fermilab will provide cryo-operations support to the SBN Near and Far Detectors using a common approach. The joint SBN Working groups are defining common approaches to DAQ, monitoring, the CRTs, etc

## **Principle 3: Wherever they exist, Fermilab policies and procedures for detector operations will be followed**

* This includes following Fermilab safety protocol, running 24/7/365 shifts, incorporating remote shift stations, and communicating operations issues
* More details in the [Fermilab Shift Protocols Document](https://web.fnal.gov/organization/programplanning/_layouts/15/WopiFrame.aspx?sourcedoc=/organization/programplanning/Shared%20Documents/Experiment%20Protocols.pdf&action=default)

# **Members of the SBN Program**

|  |  |  |
| --- | --- | --- |
| **Institution** | **Country** | **Contact Person/IB Rep** |
| Federal University of ABC - UFABC | Brazil | Paulucci, L. |
| Federal University of Alfenas - UFAL | Brazil | Valdiviesso, G. |
| GSSI, L'Aquila | Italy | Rubbia, C. |
| LNGS, Assergi, L'Aquila | Italy | Vignoli, C. |
| Argonne National Laboratory | USA | Djurcic, Z. |
| University of Bern | Switzerland | Ereditato, A. |
| INFN Bologna | Italy | Patrizii, Laura |
| Brookhaven National Laboratory | USA | Diwan, M. |
| University of Campinas | Brazil | Segreto, E. |
| Sezione di Catania and University | Italy | Bellini, V. |
| CERN | Switzerland | Nessi, Marzio |
| University of Chicago | USA | Schmitz, D. |
| Colorado State University | USA | Wilson, Bob |
| Columbia University | USA | Karagiorgi, G. |
| Fermilab | USA | Ketchum, W. |
| INFN LNF | Italy | Iliescu, M. |
| INFN Genova | Italy | Pallavicini, M. |
| Harvard University | USA | Guenette, R. |
| University of Houston | USA | Cherdak, D. |
| Illinois Intitute of Technology | USA | Littlejohn, B. |
| Indiana University | USA | Mufson, S. |
| Kansas State University | USA | Horton-Smith, G. |
| Lancaster University | UK | Nowak, J. |
| INFN Lecce | Italy | Bernardini, P. |
| University of Liverpool | UK | Touramanis, C. |
| Los Alamos National Laboratory | USA | Louis, B. |
| University of Manchester | UK | Soldner-Rembold, S. |
| Massachussets Institute of Technology | USA | Conrad, J. |
| University of Michigan | USA | Spitz, J. |
| INFN Milano | Italy | Sala, P. |
| Sezione di Milano Bicocca | Italy | Bonesini, M. |
| Sezione di Napoli | Italy | Cocco, A. |
| New Mexico State University | USA | Cooper, R. |
| Pacific Northwest National Laboratory | USA | Church, E. |
| Sezione di Padova and Universiy  | Italy | Guglielmi, A. |
| Sezione di Pavia and Universiy  | Italy | Raselli, G. L.  |
| University of Pennsylvania | USA | Klein, J. |
| University of Pittsburgh | USA | Paolone, V. |
| University of Puerto Rico | USA | Mendez, H. |
| Federal University of Rio de Janerio | Brazil | Bonifazi, C. |
| University of Rochester | USA | McFarland, K. |
| INFN LNS | Italy | Sapienza, P. |
| Federal University of San Carlos | Brazil | Marinho, F. |
| University of Sheffield | UK | Spooner, N. |
| SLAC National Accelerator Laboratory | USA | Convery, M. |
| University of Sussex | UK | Griffith, C. |
| Syracuse University | USA | Soderberg, M. |
| University of Tennessee | USA | Gollapinni, S. |
| University of Texas at Arlington | USA | Yu, J. |
| Tufts University | USA | Wongjirad, T. |
| University College London | UK | Holin, A. |
| Virginia Tech | USA | Mariani, C. |
| Yale University | USA | Fleming, B. |