ND-SAND

News from the CL:

- wiki pages: https://wiki.dunescience.org/wiki/Near_Detector_SAND

- new mailing lists:
  DUNE-ND-SAND-Steering (Davide, Guang, Lea, Paola)
  + organizing rules for presentations/conferences/papers

  DUNE-ND-SAND-Advisory (Sergio, Chang Kee, Marco P., Laura, Roberto, Sara)
  DUNE-ND-SAND-IB: Institutional Board

- DUNE Executive Board process

- Review Office requires a full review of the ND system on July 6-8

Discussion going on in the Executive Board

The requirements for the ND have been presented:

- SAND as just a beam monitor
- External background issue
- Timing issue

The Review Office review on July 6-8

The committee is requested to review the design of the baseline elements for this 'Day-1' DUNE-ND (LArTPC-ND, TMS and 'Day-1' SAND Beam Monitor) and determine if these meet conceptual design (30%) requirements as outlined in the LBNF/DUNE Review Plan (EDMS-2173197). The committee is asked whether the design documentation provided for the review (as summarized in EDMS-xxxxxx) is sufficient for advancing to the preliminary design stage for these components.

As part of the review, the committee should assess the following questions for the 'Day-1' DUNE-ND:

- Are the DUNE-ND requirements sufficiently well understood and documented and are they sufficiently complete for proceeding with the designs of each element?
- Do the designs address detector requirements? Are the designs feasible? Are the key technical specifications for the major DUNE-ND elements understood and addressed?
- Have interfaces between detector elements been identified? Are the interfaces with the cryostat, cryogenic systems, facility, and installation sufficiently understood?
- Are the scope and institutional responsibilities for the major elements defined? Is all essential scope covered?
- Are plans for prototyping tests sufficient to validate viability of the designs?
- Do conceptual engineering models or schematics provide sufficient information to ascertain constructability and functionality? Do conceptual engineering calculations validate the design?
- Have installation plans been sufficiently developed to give confidence that the detector elements can be installed?
- Have appropriate manufacturing methods been identified and have rough cost and schedule estimates been developed? Is the schedule to move forward towards preliminary design, prototyping, and production realistic?