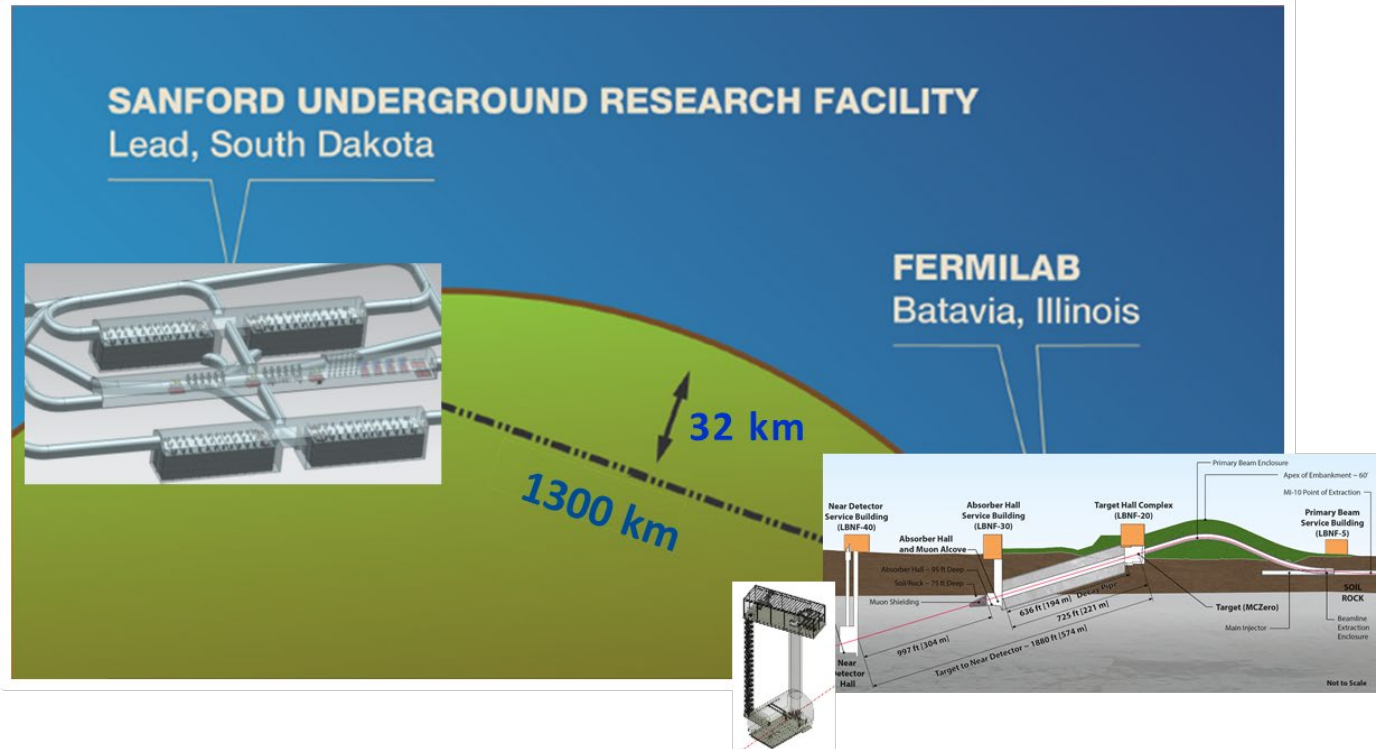




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LBNC Guidance

LBNC
23 Oct 2016



For each plenary talk/breakout session:

- Findings:
 - Important *statements of fact* that should be noted in the report or that are needed to explain a comment or recommendation
- Comments:
 - *Opinions* of the reviewer(s), usually based on specific findings and often supporting recommendations
- Recommendations:
 - *Actionable* steps that require specific response from LBNF, DUNE, or Fermilab
 - Response could be to not implement (but with explanation) or status of implementation
 - Should be based on findings and (possibly) comments

Example: DUNE Strategy for CD-2 [Thomson]

- Findings
 - High-level goals for DUNE are delivering protoDUNE-SP and -DP (2018), a DUNE TDR for CD-2 (2019), 20-kt FD commissioning in 2024, and ND operation by first beam
 - A Strategy and Implementation plan has been approved by the DUNE EC (DUNE-docDB-1050)
 - The strategy includes: assumptions and schedule, key goals and milestones, plans for prototypes, development of construction-phase resource matrix, neutrino beam design, development of a TDR, and enlarging the collaboration
 - A set of major milestones have been identified
 - DUNE will follow the LHC detector strategy of organizing consortia of institutions to construct major detector sub-systems through a process of soliciting EOIs in 2017

Example: DUNE Strategy for CD-2 [Thomson]

- Comments
 - The strategy appears to capture the main goals and lays out a plausible pathway to a TDR and IPR in Q4/2019
 - The call for DUNE FD construction EOIs in Q2/2017 overlaps the construction of protoDUNE-SP and –DP which may be a challenge
 - The Collaboration currently sees a variety of factors in the technology choice for the second FD module, and does not want to lay out definitive criteria and a process at this time
 - Development of the strategy document is responsive to the LBNC recommendation from Jan 2016 and will serve as an effective communication vehicle for the collaboration as a whole
 - One of the more challenging elements of the plan is the development of a full funding matrix on the timescale of the TDR

Example: DUNE Strategy for CD-2 [Thomson]

- Recommendations
 - Expand on this excellent start to incorporate alternatives planning, *e.g.*, if protoDUNE-SP does not demonstrate the required engineering performance

Format of feedback

- Initial feedback in the form of a closeout slide deck (Oct 25)
 - Compilation of findings/comments/recommendations across the plenary talks and breakout sessions
- Will attempt to turn this into a written report: experience from last time suggests a committee discussion and identification of the crucial recommendations that will be brought forward into the Exec Summary

Layout of this meeting

- Sunday:
 - Plenary talks to provide overview, update status, and broadly layout activities and issues [see v5 agenda for assignments]
 - Speakers should include responses to recommendations from June meeting, so please check that this is the case
 - End of day Exec session: initial committee discussion based on plenary talks, develop any follow-up questions for LBNF and/or DUNE requiring time to prepare answers
- Monday:
 - More plenary talks, primarily to set the stage for the breakout sessions (overall protoDUNE planning and organization)
 - Breakout sessions:
 - May have additional overview material at the beginning, but are primarily intended as Q&A sessions to dig deeper and understand what is actually happening on the ground

Layout of this meeting

- Breakout sessions:
 - If you have not done so already, the lead referee should get in touch with the LBNF or DUNE contact (see v5 of the agenda) to go over format and material in preparation
- End of the day Exec session: Initial impressions from breakout sessions and any further follow-up questions for LBNF and/or DUNE management
- Tuesday
 - Plenary talk on SBN overlaps and synergy
 - Exec session Q&A with LBNF and DUNE management
 - 2.5 hour session for team preparation of closeout report
 - Probably want to divide effort among team and do some preparatory writing Monday night
 - 3 hour session to go over assembled report with full committee
 - 1 hour closeout