Introduction and News

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DUNE General Call

22 June 2018

Fermilab

LBNC Meeting

- LBNC Meeting held 21-24 May at Fermilab, directly after Collaboration Week.
- Plenaries and several break-out session.
- Main goal: review Interim Design Report (IDR) (formerly TP).
- Final draft of IDR only had been given to LBNC on Friday before the meeting, so most information was transmitted through the talks.
- Close-out session with recommendations; the close-out report is still preliminary and has been given to us for fact checking.
- Next LBNC to be held at Fermilab during August 1-3 to provide final IDR feedback.

LBNC Feedback

….LBNC is impressed by the progress being made by the DUNE Collaboration, both in mounting an ambitious project to construct protoDUNE-SP and (soon to come) protoDUNE-DP and in assembling an ambitious Technical Proposal for the DUNE far detectors, ..

LBNC Recommendations

Four main topics:

1. Cross-cutting topics that transcend individual consortia;
2. Central integration and technical coordination team;
3. Connection between physics and technical system requirements;
4. Obtaining maximal benefit from protoDUNE.

We are addressing these comments – short time until next LBNC on August 1-3, which will complete the IDR review.

Near Detector

- Leadership of Near Detector Task Force is finalizing ND recommendation.
- The recommendation will then be presented to the Executive Board for approval within about one month.
- Engineering team at Fermilab is preparing Near Hall test borings for September based on recommendation.
- We will have a talk on moveable detector today (DUNE prism). Important question regarding transverse size of hall.
- We currently plan the transition to a Near Detector Design Group (NDDG) in preparation for CDR in 2019. First look at costing and technical feasibility.

ProtoDUNE

- Excellent progress on both SP and DP protoDUNE (see next talks).
- Shift sign-up for SP protoDUNE will start soon – all instituions are invited to contribute (need to be signed up for NP04 in CERN Grey Book).
- To strengthen links between protoDUNE and DUNE Physics, the protoDUNE DRA group (conveners Tingjun Yang and Georgios Christodoulou) is now a Physics Group under Physics Coordination (Ryan and Elizabeth).

TP→IDR Status (G. Zeller, T. Bolton)

- Name change: Interim Design Report
  - More accurate description of document.
  - Reduces confusion with CERN technical proposal concept.
- Final edits for public release
  - Collaboration-wide review complete. **Thank-you to many contributing reviewers!**
  - Resolving public/private DocDB reference issues.
  - Personnel-specific information removed.
  - Cover art, courtesy of Fermilab Media Services.
- Target: arxiv posting, July 20, 2018.
  - Concludes IDR activities. On to the TDR!
  - Final August 2018 LBNC review responses will be incorporated into TDR.

Please fill out nus2surf survey!

Coming Soon: The next Monte Carlo Challenge

MCC 11 will be **July 23-27**

Physics groups: contact the production team (dune-production@fnal.gov) or better yet, open a ticket through the DUNE Portal (http://dune-data.fnal.gov/dune-portal.html) describing the sample(s) you would like generated during the challenge.

Collaboration Monthly Meeting

chaired by Stefan Soldner-rembold (University of Manchester)

Friday, 22 June 2018 from **09:00** to **10:10** (US/Central)

Manage

Friday, 22 June 2018

09:00 - 09:10	Introduction and News *10'* Speaker: Prof. Stefan Soldner-rembold (University of Manchester)	
09:10 - 09:15	Spokesperson Advisory Committee *5'* Speaker: Prof. Robert Wilson (Colorado State University)	
09:15 - 09:30	ProtoDUNE SP Detector Status *15'* Speaker: Dr. Roberto Acciarri (FNAL)	
09:30 - 09:50	ProtoDUNE Physics Analysis *20'* Speaker: Tingjun Yang (Fermilab)	
09:50 - 10:10	DUNE Prism *20'* Speaker: Prof. Michael Wilking (Stony Brook University)	