

LBNC Meeting December 7-9 CERN – Charge and Assignments – Draft 12/01/2018

Charge:

The LBNC will hear about the progress in a number of areas including the general progress of each of DUNE, LBNF, and ProtoDUNE. There will be in depth presentations covering the development of the Dual Phase option, including a look forward to 2019 with ProtoDUNE DP, and preparations for a TDR. We will also hear about TDR and CDR preparations in a few key areas.

The LBNC will prepare a written report, which will include descriptions of the status of each of these items. Inter alia, this report will inform a presentation of the overall preparations of DUNE, which may be requested for the DOE LBNF-DUNE IPR in early January, 2019. Our goal will be to leave CERN with an advanced draft of the report in hand.

In order to facilitate achieving this, we have made tentative assignments for the attending LBNC members. Note that both Angela Fava, our Scientific Secretary and David MacFarlane, our outgoing chair are expected to be active participants. The assignments are shown below; the name in Bold Face is requested to take the lead in writing. We are looking for approximately 0.5 – 0.75 pages per item except for the Dual Phase which has several sub sections, so should be longer. We will discuss the expectations in the Executive session at the beginning of the meeting, but if anyone feels that the task is not acceptable, please contact mont@jlab.org.

Assignments

DUNE Overall Status 50 mins (35+15) Stefan Soldner Rembold --

Exec Summary: **Montgomery**

LBNF Status 45 mins (30+10) Chris Mossey

LBNF Status: **Laxdal**, MacFarlane

ProtoDUNE-SP Report (and lessons-learned) 45 min (35+10) Gina Rameika

PD SP Status: **Charlton**, Fava,

Montgomery, Liu

Dual-Phase

Results from the 1x1x3 m³ Demonstrator 30 mins (20+10) Sebastien Murphy

LEM Production & Testing 30 mins (20+10) Edoardo Mazzucato

CRP Assembly & Cold-Box Testing 30 mins (20+10) Dominique Duchesneau

ProtoDUNE-DP Installation 30 mins (20+10) Filippo Resnati

DUNE-DP IDR & TDR Status 30 mins (20+10) Dario Autiero

DUAL Phase Status: **Proudfoot**, Fuerst,
Galbiati, Mondal, Liu

TDR/CDR Preparation Status

Overall View/Plan/Status 35 mins (25+10) Tim Bolton (Remote)

TDR Overall Status: **Charlton,**
Montgomery

Physics TDR Status/Preview 35 mins (25+10) Jon Urheim

Physics TDR Status: **Heinemann,** Huber

Computing Organization Status 35 mins (25+10) Heidi Schellman

Computing Plans: **Boehnlein,** Heinemann

APA TDR Status/Preview 35 mins (25+10) Christos Touramanis

APA TDR Status: **Monroe,** MacFarlane,

Near Detector CDR Status/Preview 35 mins (25+10) Alan Bross

Near Detector Status **Mondal,** Huber, Fava