

# Introduction and News

Stefan Söldner-Rembold

Ed Blucher

DUNE Collaboration Call

8 November 2019

Fermilab

# Collaboration Monthly Call



chaired by Stefan Soldner-Rembold (University of Manchester), Ed Blucher (University of Chicago)

Friday, 8 November 2019 from **09:00** to **10:45** (US/Central)

Manage ▾

**Description** For Zoom information, please see your inbox or send a mail to Maxine

## Friday, 8 November 2019

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|---------------|---|---|
| 09:00 - 09:10 | <b>Introduction and News 10'</b><br>Speaker: Prof. Stefan Soldner-Rembold (University of Manchester)  | ▾ |
| 09:10 - 09:30 | <b>ProtoDUNE-DP Commissioning and Operations 20'</b><br>Speaker: Dr. Edoardo Mazzucato (CEA Saclay)   | ▾ |
| 09:30 - 09:40 | <b>Update on Physics Organisation 10'</b><br>Speakers: Ryan Patterson (Caltech), Elizabeth Worcester (BNL)<br>Material: <b>Slides</b>  | ▾ |
| 09:40 - 10:00 | <b>Summary of DESY ND Workshop 20'</b><br>Speaker: Dr. Eldwan Brianne (DESY)<br>Material: <b>Slides</b>                              | ▾ |
| 10:00 - 10:15 | <b>ProtoDUNE-SP First Performance Paper Status (TPC) 15'</b><br>Speaker: Tingjun Yang (Fermilab)  | ▾ |
| 10:15 - 10:30 | <b>ProtoDUNE-SP First Performance Paper Status (PD) 15'</b><br>Speaker: Flavio Cavanna (Fermilab)   | ▾ |

# IPR

- IPR Review of LBNF and DUNE-US at Fermilab last week in preparation for CD2/CD3a process expected near year.
- Positive review of DUNE Detector concept (FD/ND) with recommendations covering various aspects of detector requirements and project management.
- Need to demonstrate that project can be delivered within a defined TPC (Total Project Cost)
- Goal is to baseline project (CD2) in 2020. Detailed timeline for CD process in 2020 still under discussion.
- Support for award/start of excavations at SURF as early as possible.
- Further discussions on international commitments at INC next week.

# TDRs

- Volumes I-III, V in final LBNC sign off; ready for publication soon.
- Physics volume will be published as 3 'condensed' papers in a journal (current planning is EPJC), edited by PCs.
- Other volumes will be published 'as is' in a technical journal (current planning is JINST)
- APB has produced authorlist – sent to Collaboration this week
- Volume IV (DP) will require further validation from ProtoDUNE-DP.

# Important Future dates

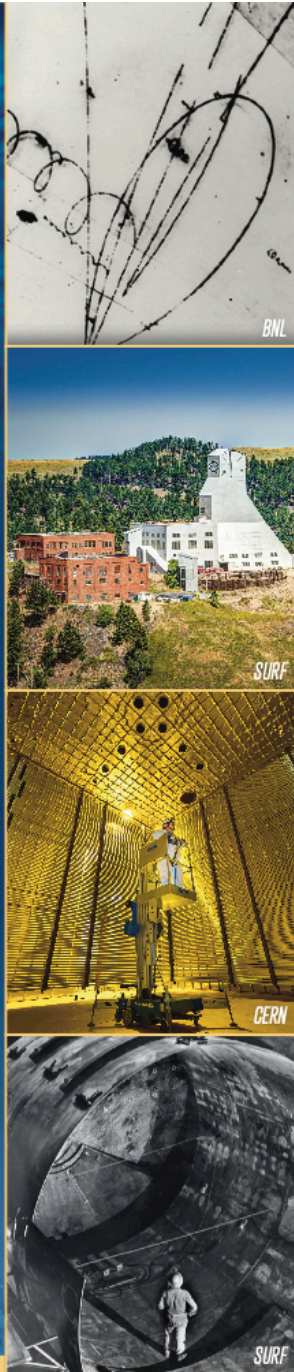
- "Module of Opportunity" Workshop, BNL, 11-12 Nov 2019
- LBNC at CERN, 5-7 December 2019
- Collaboration Meeting at CERN, 27-31 January 2020 (register)

# Outreach Committee

- We continue to work on creating a more formal structure for DUNE outreach
- Current plan is create an Outreach Committee with broader membership
- Please contact Spokes if interested

## Module of Opportunity Workshop at BNL next week

- Open for non-DUNE members.
- We hope that Workshop will form basis for “EoI”s
- Consider advanced liquid-argon (or alternate) technologies.
- Thanks to BNL team for organization.



**Module of Opportunity**  
**for DUNE** **DUNE**  
DEEP UNDERGROUND  
NEUTRINO EXPERIMENT

November 12-13, 2019  
Location: Brookhaven National Laboratory  
<https://www.bnl.gov/dmo2019/>

*The DUNE Collaboration invites the broader community to explore opportunities for novel detector technologies for the fourth DUNE detector module. Advanced liquid-argon (or alternate technology) detector concepts that can satisfy and expand DUNE physics goals are encouraged. Workshop topics include:*

- Tracking
- Photon detection
- Electronics
- High voltage
- Data-acquisition
- New ideas!

**The international organizing committee is:**

Edward Blucher, Chicago	Christopher Mauger, Penn	Stefan Soldner-Rembold, Manchester
Dominique Duchesneau, LAPP	Kostas Mavroukdis, Liverpool	Jim Stewart, BNL
Bonnie Fleming, Yale	Marzio Nessi, CERN	Michale Weber, Bern
Roxanne Guenet, Harvard	Francesco Pietropaolo, CERN	Hanyu Wei, BNL
Eric James, FNAL	Stephen Pordes, FNAL	Michael Wilking, Stony Brook
Georgia Karagiorgi, Columbia	Xin Qian, BNL	Elizabeth Worcester, BNL
Steve Kettal, BNL	Filippo Resnati, CERN	Bo Yu, BNL
Ana Machado, Unicamp	Mitch Soderberg, Syracuse	

**Organizational inquiries:** Deborah Kerr ([dkerr@bnl.gov](mailto:dkerr@bnl.gov))