

# **DUNE Oscillation Analysis Workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## The Rest of the Workshop

*Tuesday, August 16, 2022 4:45 PM (15 minutes)*

**Session Classification:** Long Baseline

Contribution ID: 2

Type: **not specified**

## **LBL Convener Introduction**

*Monday, August 15, 2022 10:00 AM (15 minutes)*

**Presenter:** PICKERING, Luke (Royal Holloway, University of London)

**Session Classification:** Long Baseline

Contribution ID: 3

Type: **not specified**

## Path to the next OA

*Monday, August 15, 2022 10:30 AM (30 minutes)*

**Primary author:** WILKINSON, Callum David (Lawrence Berkeley National Lab. (US))

**Presenter:** WILKINSON, Callum David (Lawrence Berkeley National Lab. (US))

**Session Classification:** Long Baseline

Contribution ID: 4

Type: **not specified**

## **ND-LAr+TMS: Status of Samples and Systematics and Aims for the Workshop**

*Monday, August 15, 2022 12:00 PM (15 minutes)*

**Primary author:** MOGAN, Andrew

**Presenter:** MOGAN, Andrew

**Session Classification:** Near Detector

Contribution ID: 5

Type: **not specified**

## Discussion time

*Monday, August 15, 2022 12:15 PM (15 minutes)*

**Session Classification:** Near Detector

Contribution ID: 6

Type: **not specified**

## **SAND: Status of Samples and Systematics and Aims for the Workshop**

*Monday, August 15, 2022 12:30 PM (15 minutes)*

**Presenter:** VICENZI, Matteo (INFN e Universita Genova (IT))

**Session Classification:** Near Detector

Contribution ID: 7

Type: **not specified**

## Discussion time

*Monday, August 15, 2022 12:45 PM (15 minutes)*

**Session Classification:** Near Detector



Contribution ID: 8

Type: **not specified**

## **ND-GAr: Status of Samples and Systematics and Aims for the Workshop**

*Monday, August 15, 2022 2:30 PM (15 minutes)*

**Presenter:** DUNNE, Patrick James (Imperial College (GB))

**Session Classification:** Near Detector

Contribution ID: 9

Type: **not specified**

## Discussion time

*Monday, August 15, 2022 2:45 PM (15 minutes)*

**Session Classification:** Near Detector

Contribution ID: **10**

Type: **not specified**

## **ND Simulation & Reconstruction**

*Monday, August 15, 2022 3:00 PM (20 minutes)*

**Presenter:** CREMONESI, Linda (Queen Mary University of London)

**Session Classification:** Analysis

Contribution ID: **11**

Type: **not specified**

## Discussion time

*Monday, August 15, 2022 3:20 PM (20 minutes)*

**Session Classification:** Analysis

Contribution ID: 12

Type: **not specified**

## Geometric Efficiency Corrections

*Tuesday, August 16, 2022 2:50 PM (15 minutes)*

**Primary author:** SHI, Wei

**Presenter:** SHI, Wei

**Session Classification:** Analysis

Contribution ID: 13

Type: **not specified**

## Discussion time

*Tuesday, August 16, 2022 3:05 PM (15 minutes)*

**Session Classification:** Analysis

Contribution ID: 14

Type: **not specified**

## **MaCh3: Capabilities and Interfaces**

*Monday, August 15, 2022 3:40 PM (20 minutes)*

**Presenter:** ATKIN, Edward Thomas (Imperial College (GB))

**Session Classification:** Analysis

Contribution ID: 15

Type: **not specified**

## Discussion time

*Monday, August 15, 2022 4:00 PM (20 minutes)*

**Session Classification:** Analysis



Contribution ID: 16

Type: **not specified**

## Systematics In MicroBooNE

*Tuesday, August 16, 2022 10:00 AM (15 minutes)*

**Presenter:** DIURBA, Richard (University of Bern)

**Session Classification:** Systematics

Contribution ID: 17

Type: **not specified**

## Discussion time

*Tuesday, August 16, 2022 10:15 AM (15 minutes)*

**Session Classification:** Systematics

Contribution ID: **18**

Type: **not specified**

## **A Skeleton Model**

*Tuesday, August 16, 2022 11:45 AM (15 minutes)*

**Primary author:** DOLAN, Stephen (CERN)

**Presenter:** DOLAN, Stephen (CERN)

**Session Classification:** Systematics

Contribution ID: **19**

Type: **not specified**

## Discussion time

**Session Classification:** Systematics

Contribution ID: 20

Type: **not specified**

## The ProtoDUNE Experience: Calibrations and Systematics

*Tuesday, August 16, 2022 9:00 AM (15 minutes)*

**Presenter:** WHITEHEAD, Leigh Howard (University of Cambridge (GB))

**Session Classification:** Systematics

Contribution ID: 21

Type: **not specified**

## Discussion Time

*Tuesday, August 16, 2022 9:15 AM (20 minutes)*

**Session Classification:** Systematics

Contribution ID: 22

Type: **not specified**

## ND Design Requirements

*Thursday, August 18, 2022 3:30 PM (30 minutes)*

**Presenter:** TANAKA, Hirohisa (SLAC National Accelerator Laboratory (US))

**Session Classification:** Near Detector

Contribution ID: 23

Type: **not specified**

## **A Brief History of LBLnu**

**Primary author:** CHERDACK, Daniel

**Presenter:** CHERDACK, Daniel

**Session Classification:** Long Baseline



Contribution ID: 24

Type: **not specified**

## Updating the interaction model: a dirty business

*Tuesday, August 16, 2022 11:30 AM (15 minutes)*

**Presenter:** MUNTEANU, Laura-Iuliana (CERN)

**Session Classification:** Systematics

Contribution ID: 25

Type: **not specified**

## **Learning about Hadron Transport in Ar40 from ProtoDUNE**

*Tuesday, August 16, 2022 9:35 AM (10 minutes)*

**Presenter:** Dr DOLAN, Stephen (CERN)

**Session Classification:** Systematics

Contribution ID: 26

Type: **not specified**

## Discussion time

*Tuesday, August 16, 2022 12:00 PM (20 minutes)*

**Session Classification:** Systematics

Contribution ID: 27

Type: **not specified**

## Discussion time

*Tuesday, August 16, 2022 9:45 AM (15 minutes)*

**Session Classification:** Systematics

Contribution ID: 28

Type: **not specified**

## Guided Walk: R1 to Building 6

*Monday, August 15, 2022 9:00 AM (15 minutes)*

**Presenter:** PICKERING, Luke (Royal Holloway, University of London)

Contribution ID: 29

Type: **not specified**

## Welcome to the Machine: Near-to-Far Extrapolation

*Tuesday, August 16, 2022 3:20 PM (15 minutes)*

**Primary author:** WILKINSON, Alexander J

**Presenter:** WILKINSON, Alexander J

**Session Classification:** Analysis

Contribution ID: **30**

Type: **not specified**

## Discussion time

*Tuesday, August 16, 2022 3:35 PM (15 minutes)*

**Session Classification:** Analysis

Contribution ID: **31**

Type: **not specified**

## **NDLAr Detector Systematics**

*Tuesday, August 16, 2022 11:00 AM (15 minutes)*

**Presenter:** CHEN, Yifan (SLAC National Accelerator Laboratory (US))

**Session Classification:** Systematics



Contribution ID: **32**

Type: **not specified**

## **Discussion time**

*Tuesday, August 16, 2022 11:15 AM (15 minutes)*

**Session Classification:** Systematics

Contribution ID: 33

Type: **not specified**

## PRISM Refresher

*Tuesday, August 16, 2022 2:30 PM (10 minutes)*

**Presenter:** HASNIP, Ciaran (University of Oxford)

**Session Classification:** Analysis

Contribution ID: **34**

Type: **not specified**

## Discussion time

*Tuesday, August 16, 2022 2:40 PM (10 minutes)*

**Session Classification:** Analysis

Contribution ID: 35

Type: **not specified**

## Party

*Thursday, August 18, 2022 6:30 PM (2h 30m)*

Contribution ID: **36**

Type: **not specified**

## **What's in the Pipeline for CAFAna**

*Thursday, August 18, 2022 9:30 AM (20 minutes)*

**Presenter:** BACKHOUSE, Christopher

**Session Classification:** Working Time

Contribution ID: 37

Type: **not specified**

## PRISM close-out slides

*Friday, August 19, 2022 2:35 PM (5 minutes)*

**Primary author:** HASNIP, Ciaran (University of Oxford)

**Presenter:** HASNIP, Ciaran (University of Oxford)

Contribution ID: **38**

Type: **not specified**

## **MaCh3 close-out**

*Friday, August 19, 2022 2:10 PM (5 minutes)*

**Presenters:** ATKIN, Edward Thomas (Imperial College (GB)); WARSAME, Liban

Contribution ID: 39

Type: **not specified**

## **ND sim/reco closeout**

*Friday, August 19, 2022 2:05 PM (5 minutes)*

**Presenter:** CREMONESI, Linda (Queen Mary University of London)



Contribution ID: **40**

Type: **not specified**

## **SAND closeout**

*Friday, August 19, 2022 2:15 PM (5 minutes)*

**Presenter:** VICENZI, Matteo (INFN e Universita Genova (IT))

Contribution ID: 41

Type: **not specified**

## Det syst closeout

*Friday, August 19, 2022 2:20 PM (5 minutes)*

**Presenter:** DIURBA, Richard (University of Bern)

Contribution ID: 42

Type: **not specified**

## DIRT-II closeout

*Friday, August 19, 2022 2:00 PM (5 minutes)*

**Presenters:** MUNTEANU, Laura-Iuliana (CERN); GRAN, Rik (University of Minnesota Duluth); Dr DOLAN, Stephen (CERN)

Contribution ID: 43

Type: **not specified**

## Photo

*Friday, August 19, 2022 2:00 PM (20 minutes)*

**Presenter:** PICKERING, Luke (Royal Holloway, University of London)

**Session Classification:** Long Baseline

Contribution ID: 44

Type: **not specified**

## Closeout

*Friday, August 19, 2022 2:20 PM (20 minutes)*

**Presenter:** PICKERING, Luke (Royal Holloway, University of London)

**Session Classification:** Long Baseline