

**2025 Winter LNBF/DUNE UK
Project meeting (Cosener's
House/RAL)**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Dinner

Contribution ID: 2

Type: **not specified**

APA project overview

Presenters: EVANS, Justin (University of Manchester); EVANS, Justin

Session Classification: APA Session

Contribution ID: 3

Type: **not specified**

APA production part 2

Presenter: VLACHOS, Sotirios (University of Manchester)

Session Classification: APA Session

Contribution ID: 4

Type: **not specified**

Welcome to Sheffield

Presenter: JONES, Rhiannon (University of Sheffield)

Session Classification: LBNF/DUNE UK Projects Reports

Contribution ID: 5

Type: **not specified**

Welcome to the LBNF/DUNE UK meeting

Tuesday, 7 January 2025 13:40 (10 minutes)

Presenter: NOWAK, Jaroslaw (Lancaster University)

Session Classification: LBNF/DUNE UK Projects Reports

Contribution ID: 6

Type: **not specified**

Global and UK LNBF/DUNE Project Update

Tuesday, 7 January 2025 13:50 (20 minutes)

Presenter: BARKER, Gary (University of Warwick)

Session Classification: LNBF/DUNE UK Projects Reports

Contribution ID: 7

Type: **not specified**

LBNF Target Status Report

Tuesday, 7 January 2025 14:10 (25 minutes)

Presenter: DENSHAM, Chris (STFC Rutherford Appleton Laboratory)

Session Classification: LBNF/DUNE UK Projects Reports

Contribution ID: 8

Type: **not specified**

PIP-II Status Report

Tuesday, 7 January 2025 14:35 (25 minutes)

Presenter: MCINTOSH, Peter (STFC Daresbury Laboratory)

Session Classification: LBNF/DUNE UK Projects Reports

Contribution ID: 9

Type: **not specified**

APA construction part 3

Presenter: CHAVEZ BARAJAS, Carlos (University of Liverpool (GB))

Session Classification: APA Session

Contribution ID: 10

Type: **not specified**

Digital Wire Analyser

Presenter: WRIGHT, Matthew (University of Manchester)

Session Classification: APA Session

Contribution ID: 11

Type: **not specified**

Geometry board production

Presenter: EZERIBE, Anthony (The University of Sheffield)

Session Classification: APA Session

Contribution ID: 12

Type: **not specified**

APAs in ProtoDUNE

Presenter: HAMILTON, Pip (Imperial College)

Session Classification: APA Session

Contribution ID: 13

Type: **not specified**

RS&DC project overview

Presenters: BLAKE, Andrew (Lancaster University); BLAKE, Andrew

Session Classification: DC&RS Session

Contribution ID: 14

Type: **not specified**

DC project overview and recent highlights

Presenter: MCNAB, Andrew (University of Manchester)

Session Classification: DC&RS Session

Contribution ID: 15

Type: **not specified**

CNNs for vertexing and secondary vertexing

Presenter: CHAPPELL, Andrew (University of Warwick)

Session Classification: DC&RS Session

Contribution ID: 16

Type: **not specified**

ProtoDUNE updates and RS&DC involvements

Presenters: WHITEHEAD, Leigh (University of Cambridge); WHITEHEAD, Leigh (University of Cambridge)

Session Classification: DC&RS Session

Contribution ID: 17

Type: **not specified**

Plans for Pandora ND reconstruction

Presenter: DENNIS, Steve (University of Cambridge)

Session Classification: DC&RS Session

Contribution ID: **18**

Type: **not specified**

GNNs for reclustering of complex shower topologies

Presenters: BRUNETTI, Maria Brigida (University of Warwick); BRUNETTI, Maria Brigida

Session Classification: DC&RS Session

Contribution ID: 19

Type: **not specified**

GNNs for Neutrino Hierarchy Building within Pandora

Presenter: MAWBY, Isobel (Lancaster University)

Session Classification: DC&RS Session

Contribution ID: 20

Type: **not specified**

Data management

Presenter: YUAN, Wenlong (University of Edinburgh)

Session Classification: DC&RS Session

Contribution ID: 21

Type: **not specified**

Calibration updates

Presenter: MOOR, Alexandra

Session Classification: DC&RS Session

Contribution ID: 22

Type: **not specified**

Royal Society Summer Exhibition report

Presenters: NOWAK, Jaroslaw (Lancaster University); SHAW, Kate (University of Sussex); JONES, Rhiannon (University of Sheffield)

Session Classification: Physics Talks

Contribution ID: 23

Type: **not specified**

MaCh3

Presenter: ATKIN, Edward (Imperial College London)

Session Classification: Physics Talks

Contribution ID: 24

Type: **not specified**

Quantum ML for Pandora

Presenter: JASTRZEBSKI, Marcin (UCL)

Session Classification: Physics Talks

Contribution ID: 25

Type: **not specified**

Near Detector Projections and Binning

Presenter: PEAKE, Abigail

Session Classification: Physics Talks

Contribution ID: 26

Type: **not specified**

ProtoDUNE: Trigger

Presenter: SZTUC, Artur (University College London)

Session Classification: DAQ Session

Contribution ID: 27

Type: **not specified**

Run Control & CCM

Presenter: PLESNIAK, Pawel (Imperial College London)

Session Classification: DAQ Session

Contribution ID: 28

Type: **not specified**

Configuration for ND DAQ

Presenter: WALLACE, Henry (Royal Holloway, University of London)

Session Classification: DAQ Session

Contribution ID: 29

Type: **not specified**

Timing System Update

Presenter: CUSSANS, David (University of Bristol)

Session Classification: DAQ Session

Contribution ID: **30**

Type: **not specified**

Readout Network Update

Presenter: BARCOCK, Adam (UKRI STFC)

Session Classification: DAQ Session

Contribution ID: **31**

Type: **not specified**

ProtoDUNE: Cooldown & Commissioning

Presenter: HAMILTON, Pip (Imperial College)

Session Classification: DAQ Session

Contribution ID: 32

Type: **not specified**

ProtoDUNE: Physics & Reconstruction

Presenters: WHITEHEAD, Leigh (University of Cambridge); WHITEHEAD, Leigh (University of Cambridge)

Session Classification: DAQ Session

Contribution ID: 33

Type: **not specified**

Trigger Primitives

Presenter: HRISTOVA, Ivana (STFC RAL)

Session Classification: DAQ Session

Contribution ID: 34

Type: **not specified**

DAQ Project Outlook

Presenter: BROOKE, Jim

Session Classification: DAQ Session

Contribution ID: 35

Type: **not specified**

EM shower reconstruction in ProtoDUNE-SP

Presenter: GU, Linhui

Session Classification: Physics Talks

Contribution ID: 36

Type: **not specified**

Graph Neural Networks for ProtoDUNE event classification

Presenter: LINDEBAUM, Dennis (University of Bristol)

Session Classification: Physics Talks

Contribution ID: 37

Type: **not specified**

APA production part 1

Presenter: PANTELIC, Radosav

Session Classification: APA Session

Contribution ID: **38**

Type: **not specified**

DUNE UK Physics Introduction

Wednesday, 8 January 2025 15:15 (5 minutes)

Presenter: DUNNE, Patrick (Imperial College London)

Session Classification: Physics Talks

Contribution ID: 39

Type: **not specified**

Sampling for High Significance LBL Measurements

Wednesday, 8 January 2025 15:20 (10 minutes)

Presenter: WARSAME, Liban

Session Classification: Physics Talks

Contribution ID: 40

Type: **not specified**

Opting for Observables to Observe Oscillations

Wednesday, 8 January 2025 15:33 (10 minutes)

Presenter: PEAKE, Abigail

Session Classification: Physics Talks

Contribution ID: 41

Type: **not specified**

Atmospheric Oscillations with DUNE

Wednesday, 8 January 2025 15:46 (10 minutes)

Presenter: BARROW, Daniel (University of Oxford)

Session Classification: Physics Talks

Contribution ID: 42

Type: **not specified**

Physics Studies with the ND in the UK

Wednesday, 8 January 2025 15:59 (10 minutes)

Presenter: BOOTH, Alexander (Queen Mary University of London)

Session Classification: Physics Talks

Contribution ID: 43

Type: **not specified**

DC&RS overview

Wednesday, 8 January 2025 09:00 (15 minutes)

Presenters: BLAKE, Andrew; BLAKE, Andrew (Lancaster University)

Session Classification: DC&RS Session

Contribution ID: 44

Type: **not specified**

Calibration update

Wednesday, 8 January 2025 09:15 (15 minutes)

Presenter: MOOR, Alexandra

Session Classification: DC&RS Session

Contribution ID: 45

Type: **not specified**

Pandora update - vertexing and re-clustering

Wednesday, 8 January 2025 09:30 (15 minutes)

Presenter: CHAPPELL, Andrew (University of Warwick)

Session Classification: DC&RS Session

Contribution ID: 46

Type: **not specified**

Pandora for Near Detector

Wednesday, 8 January 2025 09:45 (15 minutes)

Presenter: BACK, John (University of Warwick)

Session Classification: DC&RS Session

Contribution ID: 47

Type: **not specified**

Pandora for low-energy physics

Wednesday, 8 January 2025 10:00 (15 minutes)

Presenter: OSBISTON, Matthew (University of Warwick)

Session Classification: DC&RS Session

Contribution ID: 48

Type: **not specified**

Computing overview and Workflow update

Wednesday, 8 January 2025 10:15 (15 minutes)

Presenter: BREW, Christopher

Session Classification: DC&RS Session

Contribution ID: 49

Type: **not specified**

Data management and monitoring

Wednesday, 8 January 2025 11:00 (15 minutes)

Presenters: VITTI STENICO, Gabriela; VITTI STENICO, Gabriela (University of Edinburgh)

Session Classification: DC&RS Session

Contribution ID: 50

Type: **not specified**

UK Computing Resources for DUNE

Wednesday, 8 January 2025 11:15 (10 minutes)

Presenter: CLARKE, peter (University Edinburgh)

Session Classification: DC&RS Session

Contribution ID: 51

Type: **not specified**

DAQ Project Status

Wednesday, 8 January 2025 11:30 (30 minutes)

Presenter: TRILOV, Stoyan

Session Classification: DAQ Session

Contribution ID: 52

Type: **not specified**

Readout Server Tests

Wednesday, 8 January 2025 12:00 (20 minutes)

Presenter: BHULLER, Shyam (University of Bristol)

Session Classification: DAQ Session

Contribution ID: 53

Type: **not specified**

Trigger Simulation (tbc)

Wednesday, 8 January 2025 13:30 (20 minutes)

Presenter: CHHIBRA, Simranjit Singh

Session Classification: DAQ Session

Contribution ID: 54

Type: **not specified**

DAQ Project Outlook

Wednesday, 8 January 2025 13:50 (20 minutes)

Presenter: BROOKE, Jim

Session Classification: DAQ Session

Contribution ID: 55

Type: **not specified**

APA introduction

Tuesday, 7 January 2025 15:30 (15 minutes)

Presenter: EVANS, Justin (University of Manchester)

Session Classification: APA Session

Contribution ID: 56

Type: **not specified**

APA production update

Tuesday, 7 January 2025 15:45 (20 minutes)

Presenter: PANTELIC, Radosav (UKRI/STFC Daresbury Laboratory - DUNE)

Session Classification: APA Session

Contribution ID: 57

Type: **not specified**

Geometry board production

Tuesday, 7 January 2025 16:05 (20 minutes)

Presenter: EZERIBE, Anthony (The University of Sheffield)

Session Classification: APA Session

Contribution ID: 58

Type: **not specified**

Digital Wire Analyser

Tuesday, 7 January 2025 16:25 (20 minutes)

Presenters: NAVRER-AGASSON, Anyssa (University of Manchester); NAVRER-AGASSON, Anyssa; WRIGHT, Matthew (University of Sheffield); WRIGHT, Matthew (University of Manchester)

Session Classification: APA Session

Contribution ID: 59

Type: **not specified**

APA cold tests at CERN

Tuesday, 7 January 2025 16:45 (20 minutes)

Presenters: HAMILTON, Pip; HAMILTON, Pip (Imperial College)

Session Classification: APA Session

Contribution ID: **60**

Type: **not specified**

ProtoDUNE-2

Tuesday, 7 January 2025 17:05 (20 minutes)

Presenter: TOURAMANIS DOURAMANIS, Christofas (University of Liverpool)

Session Classification: APA Session