

**2024 Summer LNBF/DUNE UK  
Project meeting (Sheffield  
University)**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Dinner

*Wednesday, 10 July 2024 19:30 (2h 30m)*

Contribution ID: 2

Type: **not specified**

## **APA project overview**

*Wednesday, 10 July 2024 15:00 (6 minutes)*

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

**Session Classification:** APA Session

Contribution ID: 3

Type: **not specified**

## **APA production part 2**

*Wednesday, 10 July 2024 15:24 (18 minutes)*

**Presenter:** VLACHOS, Sotirios (University of Manchester)

**Session Classification:** APA Session

Contribution ID: 4

Type: **not specified**

## Welcome to Sheffield

*Tuesday, 9 July 2024 13:30 (10 minutes)*

**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, 9 July 2024 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, 9 July 2024 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, 9 July 2024 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, 9 July 2024 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**

*Wednesday, 10 July 2024 15:42 (18 minutes)*

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

**Session Classification:** APA Session

Contribution ID: **10**

Type: **not specified**

## Digital Wire Analyser

*Thursday, 11 July 2024 09:30 (20 minutes)*

**Presenter:** WRIGHT, Matthew (University of Manchester)

**Session Classification:** APA Session

Contribution ID: 11

Type: **not specified**

## Geometry board production

*Thursday, 11 July 2024 09:50 (20 minutes)*

**Presenter:** EZERIBE, Anthony (The University of Sheffield)

**Session Classification:** APA Session

Contribution ID: 12

Type: **not specified**

## APAs in ProtoDUNE

*Thursday, 11 July 2024 10:10 (20 minutes)*

**Presenter:** HAMILTON, Pip (Imperial College)

**Session Classification:** APA Session

Contribution ID: 13

Type: **not specified**

## **RS&DC project overview**

*Wednesday, 10 July 2024 13:00 (20 minutes)*

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

**Session Classification:** DC&RS Session

Contribution ID: 14

Type: **not specified**

## **DC project overview and recent highlights**

*Wednesday, 10 July 2024 13:20 (20 minutes)*

**Presenter:** MCNAB, Andrew (University of Manchester)

**Session Classification:** DC&RS Session

Contribution ID: 15

Type: **not specified**

## **CNNs for vertexing and secondary vertexing**

*Wednesday, 10 July 2024 13:40 (15 minutes)*

**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**

*Thursday, 11 July 2024 13:15 (15 minutes)*

**Presenter:** DENNIS, Steve (University of Cambridge)

**Session Classification:** DC&RS Session

Contribution ID: **18**

Type: **not specified**

## **GNNs for reclustering of complex shower topologies**

*Thursday, 11 July 2024 13:00 (15 minutes)*

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

**Session Classification:** DC&RS Session

Contribution ID: 19

Type: **not specified**

## **GNNs for Neutrino Hierarchy Building within Pandora**

*Thursday, 11 July 2024 13:30 (15 minutes)*

**Presenter:** MAWBY, Isobel (Lancaster University)

**Session Classification:** DC&RS Session

Contribution ID: 20

Type: **not specified**

## Data management

*Thursday, 11 July 2024 14:20 (15 minutes)*

**Presenter:** YUAN, Wenlong (University of Edinburgh)

**Session Classification:** DC&RS Session

Contribution ID: 21

Type: **not specified**

## Calibration updates

*Thursday, 11 July 2024 14:35 (15 minutes)*

**Presenter:** MOOR, Alexandra

**Session Classification:** DC&RS Session

Contribution ID: 22

Type: **not specified**

## Royal Society Summer Exhibition report

*Tuesday, 9 July 2024 16:00 (10 minutes)*

**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

*Tuesday, 9 July 2024 16:10 (20 minutes)*

**Presenter:** ATKIN, Edward (Imperial College London)

**Session Classification:** Physics Talks



Contribution ID: 24

Type: **not specified**

## Quantum ML for Pandora

*Wednesday, 10 July 2024 11:30 (15 minutes)*

**Presenter:** JASTRZEBSKI, Marcin (UCL)

**Session Classification:** Physics Talks

Contribution ID: 25

Type: **not specified**

## Near Detector Projections and Binning

*Wednesday, 10 July 2024 11:45 (15 minutes)*

**Presenter:** PEAKE, Abigail

**Session Classification:** Physics Talks

Contribution ID: 26

Type: **not specified**

## ProtoDUNE: Trigger

*Wednesday, 10 July 2024 10:10 (20 minutes)*

**Presenter:** SZTUC, Artur (University College London)

**Session Classification:** DAQ Session

Contribution ID: 27

Type: **not specified**

## **Run Control & CCM**

*Wednesday, 10 July 2024 11:00 (15 minutes)*

**Presenter:** PLESNIAK, Pawel (Imperial College London)

**Session Classification:** DAQ Session

Contribution ID: 28

Type: **not specified**

## Configuration for ND DAQ

*Wednesday, 10 July 2024 11:15 (15 minutes)*

**Presenter:** WALLACE, Henry

**Session Classification:** DAQ Session

Contribution ID: 29

Type: **not specified**

## Timing System Update

*Thursday, 11 July 2024 11:00 (15 minutes)*

**Presenter:** CUSSANS, David (University of Bristol)

**Session Classification:** DAQ Session

Contribution ID: **30**

Type: **not specified**

## **Readout Network Update**

*Thursday, 11 July 2024 11:15 (15 minutes)*

**Presenter:** BARCOCK, Adam (UKRI STFC)

**Session Classification:** DAQ Session

Contribution ID: **31**

Type: **not specified**

## **ProtoDUNE: Cooldown & Commissioning**

*Wednesday, 10 July 2024 09:50 (20 minutes)*

**Presenter:** HAMILTON, Pip (Imperial College)

**Session Classification:** DAQ Session



Contribution ID: 32

Type: **not specified**

## ProtoDUNE: Physics & Reconstruction

*Wednesday, 10 July 2024 09:30 (20 minutes)*

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

**Session Classification:** DAQ Session

Contribution ID: 33

Type: **not specified**

## Trigger Primitives

*Thursday, 11 July 2024 11:30 (15 minutes)*

**Presenter:** HRISTOVA, Ivana (STFC RAL)

**Session Classification:** DAQ Session

Contribution ID: 34

Type: **not specified**

## DAQ Project Outlook

*Thursday, 11 July 2024 11:45 (15 minutes)*

**Presenter:** BROOKE, Jim

**Session Classification:** DAQ Session

Contribution ID: 35

Type: **not specified**

## **EM shower reconstruction in ProtoDUNE-SP**

*Thursday, 11 July 2024 14:50 (15 minutes)*

**Presenter:** GU, Linhui

**Session Classification:** Physics Talks

Contribution ID: 36

Type: **not specified**

## **Graph Neural Networks for ProtoDUNE event classification**

*Thursday, 11 July 2024 15:05 (15 minutes)*

**Presenter:** LINDEBAUM, Dennis (University of Bristol)

**Session Classification:** Physics Talks

Contribution ID: 37

Type: **not specified**

## **APA production part 1**

*Wednesday, 10 July 2024 15:06 (18 minutes)*

**Presenter:** PANTELIC, Radosav

**Session Classification:** APA Session