

Particle Physics Annual Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Thursday, 23 May 2024 09:00 (5 minutes)

Presenter: VOSSEBELD, Joost (University of Liverpool)

Session Classification: Thursday

Contribution ID: 2

Type: **not specified**

g-2 and KLOE (17+3)

Thursday, 23 May 2024 09:05 (20 minutes)

Presenter: Dr COTROZZI, Lorenzo (University of Liverpool)

Session Classification: Thursday

Contribution ID: 3

Type: **not specified**

MUonE (17+3)

Thursday, 23 May 2024 09:25 (20 minutes)

Presenter: PILATO, Riccardo Nunzio (University of Liverpool)

Session Classification: Thursday

Contribution ID: 4

Type: **not specified**

Mu2e, Mu3e, MuEDM (17+3)

Thursday, 23 May 2024 09:45 (20 minutes)

Presenter: ROMPOTIS, Nikolaos

Session Classification: Thursday

Contribution ID: 5

Type: **not specified**

proton EDM (17+3)

Thursday, 23 May 2024 10:05 (20 minutes)

Presenter: BOWCOCK, Themis

Session Classification: Thursday

Contribution ID: 6

Type: **not specified**

SBND, JUNO and DUNE (22+3)

Thursday, 23 May 2024 11:00 (25 minutes)

Presenter: PLOWS, John

Session Classification: Thursday

Contribution ID: 7

Type: **not specified**

T2k, SK and HK (22+3)

Thursday, 23 May 2024 11:25 (25 minutes)

Presenter: SANDFORD, Ellen

Session Classification: Thursday

Contribution ID: 8

Type: **not specified**

LEGEND (17+3)

Thursday, 23 May 2024 11:50 (20 minutes)

Presenter: MEHTA, Andrew

Session Classification: Thursday

Contribution ID: 9

Type: **not specified**

Liquid Argon R&D (17+3)

Thursday, 23 May 2024 12:10 (20 minutes)

Presenter: ROBERTS, Adam

Session Classification: Thursday

Contribution ID: **10**

Type: **not specified**

ATLAS Physics: Higgs (17+3)

Thursday, 23 May 2024 15:50 (20 minutes)

Presenter: DEGENS, Jordy

Session Classification: Thursday

Contribution ID: **11**

Type: **not specified**

ATLAS Physics: SM and BSM (17+3)

Thursday, 23 May 2024 15:30 (20 minutes)

Presenter: D'ONOFRIO, Monica

Session Classification: Thursday

Contribution ID: 12

Type: **not specified**

ATLAS ITk Upgrade (17+3)

Thursday, 23 May 2024 16:10 (20 minutes)

Presenters: TAYLOR, Jon; TBC

Session Classification: Thursday

Contribution ID: 13

Type: **not specified**

ALICE & EIC (17+3)

Thursday, 23 May 2024 16:30 (20 minutes)

Presenter: Dr LIU, Jian (University of Liverpool)

Session Classification: Thursday

Contribution ID: 14

Type: **not specified**

Year 1 Student 1-Minute Presentations

Thursday, 23 May 2024 13:30 (22 minutes)

Teagan Hall
Ho Sang Lee
Sinead Eley
Unik Limbu
Mehul Depala
Maneyro Questa Marina
Kumari Alka
Vestergaard Niels
Clément Devanne
Giorgia Cacciola
Sam Goodwood

Session Classification: Thursday

Contribution ID: 16

Type: **not specified**

Counting of Z bosons & Electron Energy Calibration For W Mass (6+2)

Friday, 24 May 2024 09:00 (8 minutes)

Presenter: NEWELL, Joshua

Session Classification: Friday

Contribution ID: 17

Type: **not specified**

ARIADNE SiPM readout R&D + Darkside Cold test (6+2)

Friday, 24 May 2024 09:48 (8 minutes)

Presenter: RAVINTHIRAN, Sudikshan

Session Classification: Friday

Contribution ID: **18**

Type: **not specified**

Atom Interferometry, MAGIS/AION (17+3)

Friday, 24 May 2024 11:00 (20 minutes)

Presenter: TINSLEY, Jonathan

Session Classification: Friday

Contribution ID: **19**

Type: **not specified**

LZ and XLZD (17+3)

Friday, 24 May 2024 11:20 (20 minutes)

Presenter: HUGHES, Sean

Session Classification: Friday

Contribution ID: **20**

Type: **not specified**

Darkside-20k (17+3)

Friday, 24 May 2024 11:40 (20 minutes)

Presenter: TAYLOR, Alan

Session Classification: Friday

Contribution ID: 21

Type: **not specified**

VIDARR & BUTTON (17+3)

Friday, 24 May 2024 12:00 (20 minutes)

Presenter: GOODING, James

Session Classification: Friday

Contribution ID: 22

Type: **not specified**

CTA (7+3)

Friday, 24 May 2024 13:30 (10 minutes)

Presenter: GREENSHAW, Timothy (CTA)

Session Classification: Friday

Contribution ID: 23

Type: **not specified**

FASER (17+3)

Friday, 24 May 2024 13:40 (20 minutes)

Presenter: CAVANAGH, Charlotte

Session Classification: Friday

Contribution ID: 24

Type: **not specified**

LHCb: Physics, VELO & DPA (17+3)

Friday, 24 May 2024 14:00 (20 minutes)

Presenter: Dr LEITE, Juan (University of Liverpool)

Session Classification: Friday

Contribution ID: 25

Type: **not specified**

LHCb Upgrade-II (17+3)

Friday, 24 May 2024 14:20 (20 minutes)

Presenter: HENNESSY, Karol

Session Classification: Friday

Contribution ID: 26

Type: **not specified**

Interferometry optics for the MAGIS-100 prototype (10+2)

Thursday, 23 May 2024 16:50 (12 minutes)

Presenter: THROSSELL, Henry

Session Classification: Thursday

Contribution ID: 27

Type: **not specified**

Silicon Detectors: R&D and applications (17+3)

Friday, 24 May 2024 14:40 (20 minutes)

Presenter: HAMMERICH, Jan

Session Classification: Friday

Contribution ID: **28**

Type: **not specified**

Update from our Computing Team (10+5)

Friday, 24 May 2024 15:30 (15 minutes)

Presenter: WONG, Mark

Session Classification: Friday

Contribution ID: 29

Type: **not specified**

Update from the LSDC (10+5)

Friday, 24 May 2024 15:45 (15 minutes)

Presenter: JONES, Tim

Session Classification: Friday

Contribution ID: **30**

Type: **not specified**

Update from the Workshop and AML (10+5)

Friday, 24 May 2024 16:00 (15 minutes)

Presenter: WHITLEY, Mark

Session Classification: Friday

Contribution ID: **31**

Type: **not specified**

Closing remarks

Friday, 24 May 2024 16:25 (10 minutes)

Presenter: VOSSEBELD, Joost (University of Liverpool)

Session Classification: Friday

Contribution ID: 32

Type: **not specified**

Search for Right-Handed Weak Decays with the LHCb detector (10+2)

Thursday, 23 May 2024 13:52 (12 minutes)

Presenter: BROWN, James

Session Classification: Thursday

Contribution ID: 33

Type: **not specified**

UKRI-MPW1: Design and Preliminary characterisation Of An HV-CMOS Sensor For High Radiation Tolerance (10+2)

Thursday, 23 May 2024 14:04 (12 minutes)

Presenter: WADE, Benjamin (University Liverpool)

Session Classification: Thursday

Contribution ID: 34

Type: **not specified**

Button simulation and water-based liquid scintillator (10+2)

Thursday, 23 May 2024 14:16 (12 minutes)

Presenter: MORGAN, Alex

Session Classification: Thursday

Contribution ID: 35

Type: **not specified**

Sterile Neutrino Oscillation Searches using VALOR at SBND (10+2)

Thursday, 23 May 2024 14:40 (12 minutes)

Presenter: SLATER, Beth (University of Liverpool)

Session Classification: Thursday

Contribution ID: 36

Type: **not specified**

A search for long lived ALPs that decay into diphoton, and SCT studies for Run 3 (10+2)

Thursday, 23 May 2024 14:28 (12 minutes)

Presenter: IRWIN, Rebecca

Session Classification: Thursday

Contribution ID: 37

Type: **not specified**

Development of the agnostic global PID for ND280 near detector (6+2)

Friday, 24 May 2024 09:08 (8 minutes)

Presenter: BATES, Patrick

Session Classification: Friday

Contribution ID: **38**

Type: **not specified**

EDM searches and test beam studies in the g-2 and MUonE experiments (6+2)

Friday, 24 May 2024 09:16 (8 minutes)

Presenter: FERRABY, Katherine

Session Classification: Friday

Contribution ID: 39

Type: **not specified**

Alternative Tracking Algorithm for the Mu3e Experiment (6+2)

Friday, 24 May 2024 09:24 (8 minutes)

Presenter: KINSMAN, Charles (University of Liverpool HEP Group)

Session Classification: Friday

Contribution ID: 40

Type: **not specified**

Neutron Studies at LHCb (6+2)

Friday, 24 May 2024 09:32 (8 minutes)

Presenter: HOWARTH, Ned

Session Classification: Friday

Contribution ID: 42

Type: **not specified**

PMT Monitoring and Measurements at LZ and 30-Ton (6+2)

Friday, 24 May 2024 16:15 (8 minutes)

Presenter: CARTER, Megan

Session Classification: Friday

Contribution ID: 43

Type: **not specified**

Progress towards Strontium Atom Interferometry at RAL Space (6+2)

Friday, 24 May 2024 09:56 (8 minutes)

Presenter: HUSSAIN, Kamran

Session Classification: Friday

Contribution ID: 44

Type: **not specified**

Tau-Lepton Identification and Decay Mode Classification using Graph Neural Networks (6+2)

Friday, 24 May 2024 10:04 (8 minutes)

Presenter: MCNULTY, Robert

Session Classification: Friday

Contribution ID: 45

Type: **not specified**

VIDARR - Monitoring Strontium-90 via Anti-neutrino Detection (10+2)

Thursday, 23 May 2024 14:52 (12 minutes)

Presenter: DASARI, Joel

Session Classification: Thursday

Contribution ID: 46

Type: **not specified**

Updates from the department

Friday, 24 May 2024 12:20 (10 minutes)

Presenter: D'ONOFRIO, Monica

Session Classification: Friday