

# **Particle Physics Annual Meeting**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome

*Thursday, 18 May 2023 09:00 (10 minutes)*

**Presenter:** VOSSEBELD, Joost (University of Liverpool)

**Session Classification:** session1

Contribution ID: 2

Type: **not specified**

## Year 1 Student Presentations

*Thursday, 18 May 2023 09:10 (26 minutes)*

**Session Classification:** session1

Contribution ID: 3

Type: **not specified**

## Year 2 Student presentations

*Thursday, 18 May 2023 09:36 (56 minutes)*

**Session Classification:** session1

Contribution ID: 4

Type: **not specified**

## **ATLAS Physics and M&O (17+3)**

*Thursday, 18 May 2023 11:00 (20 minutes)*

**Presenter:** D'ONOFRIO, Monica

**Session Classification:** Session 2

Contribution ID: 5

Type: **not specified**

## **ATLAS ITK Upgrade (12+3)**

*Thursday, 18 May 2023 11:20 (15 minutes)*

**Presenter:** VÁZQUEZ FURELOS, David

**Session Classification:** Session 2

Contribution ID: 6

Type: **not specified**

## **LHCb Physics and M&O (12+3)**

*Thursday, 18 May 2023 11:35 (15 minutes)*

**Presenter:** Dr NAIK, Paras

**Session Classification:** Session 2

Contribution ID: 7

Type: **not specified**

## **LHCb Upgrade-II (12+3)**

*Thursday, 18 May 2023 11:50 (15 minutes)*

**Presenter:** GREENALL, Ashley

**Session Classification:** Session 2



Contribution ID: 8

Type: **not specified**

## **ALICE (10+2)**

*Thursday, 18 May 2023 12:05 (12 minutes)*

**Presenter:** NORMAN, Jaime

**Session Classification:** Session 2

Contribution ID: 9

Type: **not specified**

## **Future Colliders, including discussion (15)**

*Thursday, 18 May 2023 12:17 (15 minutes)*

**Presenter:** MEHTA, Andrew

**Session Classification:** Session 2

Contribution ID: **10**

Type: **not specified**

## **FASER (10+2)**

*Thursday, 18 May 2023 15:30 (12 minutes)*

**Presenter:** GWILLIAM, Carl

**Session Classification:** Session 4

Contribution ID: **11**

Type: **not specified**

## **DUNE (12+3)**

*Thursday, 18 May 2023 13:42 (15 minutes)*

**Presenter:** TOURAMANIS, Christos

**Session Classification:** Session 3

Contribution ID: 12

Type: **not specified**

## **SBND (12+3)**

*Thursday, 18 May 2023 13:57 (15 minutes)*

**Presenter:** RODA, Marco (University of Liverpool)

**Session Classification:** Session 3

Contribution ID: 13

Type: **not specified**

## **T2K/Super-K and Hyper-K (12+3)**

*Thursday, 18 May 2023 14:12 (15 minutes)*

**Presenter:** JENKINS, Sam

**Session Classification:** Session 3

Contribution ID: 14

Type: **not specified**

## **LEGEND200/1T (10+2)**

*Thursday, 18 May 2023 14:51 (12 minutes)*

**Presenter:** BOSTON, Andy (University of Liverpool)

**Session Classification:** Session 3

Contribution ID: 15

Type: **not specified**

## **Liquid Argon R&D (10+2)**

*Thursday, 18 May 2023 14:39 (12 minutes)*

**Presenter:** ROBERTS, Adam

**Session Classification:** Session 3



Contribution ID: 16

Type: **not specified**

## **BUTTON / VIDAR (10+2)**

*Thursday, 18 May 2023 14:27 (12 minutes)*

**Presenter:** GOODING, James

**Session Classification:** Session 3

Contribution ID: 17

Type: **not specified**

## **Proton Therapy Applications (10+2)**

*Thursday, 18 May 2023 15:54 (12 minutes)*

**Presenter:** TAYLOR, Jon

**Session Classification:** Session 4

Contribution ID: **18**

Type: **not specified**

## **HV-CMOS (10+2)**

*Thursday, 18 May 2023 16:06 (12 minutes)*

**Presenter:** ZHANG, Chenfan (University of Liverpool (GB))

**Session Classification:** Session 4

Contribution ID: 19

Type: **not specified**

## **Non standard dark matter searches with DarkSide (10+2)**

*Thursday, 18 May 2023 15:42 (12 minutes)*

**Presenter:** SANDFORD, Ellen

**Session Classification:** Session 4

Contribution ID: **20**

Type: **not specified**

## **Darkside (10+2)**

*Thursday, 18 May 2023 16:28 (12 minutes)*

**Presenter:** TAYLOR, Jon

**Session Classification:** Session 4

Contribution ID: 21

Type: **not specified**

## **LZ (10+2)**

*Thursday, 18 May 2023 16:40 (12 minutes)*

**Presenter:** FRASER, Ewan

**Session Classification:** Session 4

Contribution ID: 22

Type: **not specified**

## Ultra high resolution silicon R&D (10+2)

*Thursday, 18 May 2023 13:30 (12 minutes)*

**Presenter:** CASSE, Gianluigi (Physics)

**Session Classification:** Session 3

Contribution ID: 23

Type: **not specified**

## **MAGIS (10+2)**

*Thursday, 18 May 2023 16:52 (12 minutes)*

**Presenter:** Mr ELERTAS, Gedminas (University of Liverpool)

**Session Classification:** Session 4



Contribution ID: 24

Type: **not specified**

## CTA (10+2)

*Friday, 19 May 2023 16:18 (12 minutes)*

**Presenter:** GREENSHAW, Timothy (CTA)

**Session Classification:** Session 8

Contribution ID: 25

Type: **not specified**

## Next generation DM, including discussion

*Thursday, 18 May 2023 17:04 (15 minutes)*

**Presenter:** BURDIN, Sergey

**Session Classification:** Session 4

Contribution ID: 26

Type: **not specified**

## Year 3 Student Presentations

*Friday, 19 May 2023 09:00 (1h 36m)*

**Session Classification:** Session 5

Contribution ID: 27

Type: **not specified**

## Year 3 Student Presentations

*Friday, 19 May 2023 11:06 (48 minutes)*

**Session Classification:** Session 6

Contribution ID: 28

Type: **not specified**

## **computing team update**

*Friday, 19 May 2023 11:54 (10 minutes)*

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

**Session Classification:** Session 6

Contribution ID: 29

Type: **not specified**

## **Workshop & Advance Materials Lab**

*Friday, 19 May 2023 12:04 (10 minutes)*

**Presenter:** WHITLEY, Mark

**Session Classification:** Session 6

Contribution ID: **30**

Type: **not specified**

## **LSDC**

*Friday, 19 May 2023 12:14 (10 minutes)*

**Presenter:** JONES, Tim

**Session Classification:** Session 6

Contribution ID: **31**

Type: **not specified**

## **Mu3e (10+2)**

*Friday, 19 May 2023 13:30 (12 minutes)*

**Presenter:** LORETI, Andrea

**Session Classification:** Session 7



Contribution ID: 32

Type: **not specified**

## **g-2 omega\_p measurement and Mu2e (10+2)**

*Friday, 19 May 2023 13:42 (12 minutes)*

**Presenter:** CHARITY, Saskia

**Session Classification:** Session 7

Contribution ID: 33

Type: **not specified**

## **g-2 beam dynamics (10+2)**

*Friday, 19 May 2023 13:54 (12 minutes)*

**Presenter:** BOTTALICO, Elia (University of Liverpool)

**Session Classification:** Session 7

Contribution ID: 34

Type: **not specified**

## **g-2 omega\_a measurement (10+2)**

*Friday, 19 May 2023 14:06 (10 minutes)*

**Presenter:** ZHANG, Ce (University of Liverpool)

**Session Classification:** Session 7

Contribution ID: 35

Type: **not specified**

## **Recent e+e- results CMD-3 (10+2)**

*Friday, 19 May 2023 14:16 (12 minutes)*

**Presenter:** Dr IGNATOV, Fedor (University of Liverpool)

**Session Classification:** Session 7

Contribution ID: 36

Type: **not specified**

## **Analysis of full statistics KLOE $e^+e^- \rightarrow 2\pi$ data (10+2)**

*Friday, 19 May 2023 14:28 (12 minutes)*

**Presenter:** Dr BELTRAME, Paolo (University of Liverpool)

**Session Classification:** Session 7

Contribution ID: 37

Type: **not specified**

## MUonE (10+2)

*Friday, 19 May 2023 14:40 (12 minutes)*

**Presenter:** PILATO, Riccardo Nunzio (Università di Pisa e INFN Sezione di Pisa)

**Session Classification:** Session 7

Contribution ID: **38**

Type: **not specified**

## **Muon EDM at g-2 (10+2)**

*Friday, 19 May 2023 15:30 (12 minutes)*

**Presenter:** VASILKOVA, Dominika

**Session Classification:** Session 8

Contribution ID: 39

Type: **not specified**

## **Muon EDm at PSI (10+2)**

*Friday, 19 May 2023 15:42 (12 minutes)*

**Presenter:** Dr PRICE, Joe

**Session Classification:** Session 8



Contribution ID: 40

Type: **not specified**

## **Proton EDM (10+2)**

*Friday, 19 May 2023 15:54 (12 minutes)*

**Presenter:** BOWCOCK, Themis

**Session Classification:** Session 8

Contribution ID: 41

Type: **not specified**

## **wrap up**

*Friday, 19 May 2023 16:30 (10 minutes)*

**Session Classification:** Session 8

Contribution ID: 42

Type: **not specified**

## Computing development for HEP

*Friday, 19 May 2023 16:06 (12 minutes)*

**Presenter:** RODRIGUES, Eduardo

**Session Classification:** Session 8

Contribution ID: 43

Type: **not specified**

## **New CERN R&D framework and UK strategic R&D plans including discussion**

*Thursday, 18 May 2023 16:18 (10 minutes)*

**Presenter:** VILELLA, Eva

**Session Classification:** Session 4