LHCb UK Upgrade 2 meeting

Report of Contributions

Contribution ID: **1**   Type: **not specified**

MT: latest news from Mightypix and milestones for 2024-2026

Wednesday 10 July 2024 09:25 (20 minutes)

Presenters: KHATRI, Ayushi (University of Liverpool (GB)); VILELLA FIGUERAS, Eva (University of Liverpool (GB))

Session Classification: WP2

Contribution ID: **2**   Type: **not specified**

MT: electronics design/prototyping needs for the TDR

Wednesday 10 July 2024 09:50 (20 minutes)

Presenters: Mr PERRY, Michael John (The University of Manchester);   PERRY, Michael (University of Manchester (GB))

Session Classification: WP2

Contribution ID: **3**   Type: **not specified**

MT: Pixel Module Mechanics and Electronics, Module Assembly Design and R&D

Wednesday 10 July 2024 10:15 (20 minutes)

Presenter: BITADZE, Alexander (University of Manchester (GB))

Session Classification: WP2

Contribution ID: 4　　　　　　　　　　　　　　　　　　Type: **not specified**

MT: Simulation and design: reflections on the scoping process and planning towards the TDR (2024-2026)

Wednesday 10 July 2024 09:00 (20 minutes)

Presenter:　NEEDHAM, Matthew David (The University of Edinburgh (GB))

Session Classification:　WP2

Contribution ID: **5**   Type: **not specified**

MT: developing the readout (2024-2026)

Wednesday 10 July 2024 10:40 (20 minutes)

Presenters: BUCHANAN, Emma (The University of Edinburgh (GB));   WILLIAMS, Mark Richard James (The University of Edinburgh (GB))

Session Classification: WP2

Contribution ID: **6** Type: **not specified**

TV: Substrate status and what needs to be done for the TDR

Wednesday 10 July 2024 11:50 (20 minutes)

Presenter: DE AGUIAR FRANCISCO, Oscar Augusto (University of Manchester (GB))

Session Classification: WP2

Contribution ID: **7**   Type: **not specified**

TV: readout development status and plans for 2024-2026

Wednesday 10 July 2024 12:15 (20 minutes)

Presenters: MADURAI, Marcus Jonathan (University of Birmingham (GB));   JOHNSON, Daniel (University of Birmingham (GB))

Session Classification: WP2

Contribution ID: **8**   Type: **not specified**

TV: RF-shield and mechanics plans for 2024-2026

Wednesday 10 July 2024 12:40 (20 minutes)

Presenter: JOHN, Malcolm (University of Oxford)

Session Classification: WP2

Contribution ID: **9**   Type: **not specified**

TV: Towards 4D vertexing

Wednesday 10 July 2024 11:25 (20 minutes)

Presenter: BACHER, David (University of Oxford (GB))

Session Classification: WP2

Contribution ID: **10** Type: **not specified**

Tracking on accelerators

Wednesday 10 July 2024 14:00 (15 minutes)

Presenters: HENNESSY, Karol (University of Liverpool (GB)); RINNERT, Kurt (University of Liverpool (GB))

Session Classification: WP3

Contribution ID: **11**   Type: **not specified**

TORCH and RICH reconstruction on IPUs

Wednesday 10 July 2024 14:15 (20 minutes)

Presenter: ADINOLFI, Marco (University of Bristol (GB))

Session Classification: WP3

Contribution ID: **12**   Type: **not specified**

Alignment and calibration on heterogenous architectures

Tuesday 9 July 2024 12:30 (15 minutes)

Presenters: MARSHALL, Alex (University of Bristol (GB)); MARSHALL, Alexander Mclean

Session Classification: WP3

Contribution ID: **13** Type: **not specified**

TORCH software (Warwick speaker required)

Session Classification: WP3

Contribution ID: **14**   Type: **not specified**

Simulation

Tuesday 9 July 2024 11:45 (15 minutes)

Presenter: MUHAMMAD, Emir (University of Warwick (GB))

Session Classification: WP3

Contribution ID: **15** Type: **not specified**

Accelerated simulation (Manchester speaker TBC)

Session Classification: WP3

Contribution ID: **16**　　　　　　　　　　　　　　　　　　Type: **not specified**

Forced hadronisation

Tuesday 9 July 2024 12:00 (15 minutes)

Presenter: KREPS, Michal (University of Warwick (GB))

Session Classification: WP3

Contribution ID: 17   Type: **not specified**

Analysis facility

Tuesday 9 July 2024 12:15 (15 minutes)

Presenter: RODRIGUES, Eduardo (University of Liverpool (GB))

Session Classification: WP3

Contribution ID: **18**   Type: **not specified**

RICH plans for future Upgrades

Tuesday 9 July 2024 13:45 (25 minutes)

Presenter: GAMBETTA, Silvia (The University of Edinburgh (GB))

Session Classification: WP1:

Contribution ID: **19** Type: **not specified**

Status of electronics readout and FastRICH ASIC

Tuesday 9 July 2024 14:15 (20 minutes)

Presenter: WOTTON, Stephen (University of Cambridge (GB))

Session Classification: WP1:

Contribution ID: **20**   Type: **not specified**

Report from testbeams

Tuesday 9 July 2024 14:40 (20 minutes)

Presenter: OLIVA, Federica (The University of Edinburgh (GB))

Session Classification: WP1:

Contribution ID: **21** Type: **not specified**

RICH1 Challenges for Upgrade II

Tuesday 9 July 2024 15:05 (20 minutes)

Presenters: PAPANESTIS, Antonis (STFC - Rutherford Appleton Lab. (GB)); GAMBETTA, Silvia (The University of Edinburgh (GB))

Session Classification: WP1:

Contribution ID: **22**   Type: **not specified**

RICH2 vessel with TORCH

Tuesday 9 July 2024 15:30 (20 minutes)

Presenter: LOWE, Adam Dominic (University of Oxford (GB))

Session Classification: WP1:

Contribution ID: **23**   Type: **not specified**

Characterization of SiPMs for LHCb Upgrade II

Tuesday 9 July 2024 16:50 (20 minutes)

Presenter: VRAHAS, Constantinos (The University of Edinburgh (GB))

Session Classification: WP1:

Contribution ID: **24**   Type: **not specified**

TORCH status of MCP-PMT and test results

Tuesday 9 July 2024 15:55 (20 minutes)

Presenters: DAVIDSON, Alexander (University of Warwick (GB)); LEHURAUX, Marion (University of Warwick (GB))

Session Classification: WP1:

Contribution ID: **25**   Type: **not specified**

Simulations for RICH in Upgrade2

Tuesday 9 July 2024 17:40 (20 minutes)

Presenter: EASO, Sajan (Science and Technology Facilities Council STFC (GB))

Session Classification: WP1:

Contribution ID: **26**   Type: **not specified**

Comparison of photon detectors in simulation

Tuesday 9 July 2024 18:05 (15 minutes)

Presenter: SOARES LAVRA, Lais (The University of Edinburgh (GB))

Session Classification: WP1:

Contribution ID: **27**   Type: **not specified**

Status and results from meta-materials

Tuesday 9 July 2024 17:15 (20 minutes)

Presenters: MCCANN, Michael Andrew (Imperial College (GB)); ELY, Scott Edward (Imperial College (GB))

Session Classification: WP1: