

8th Workshop on LHCb Upgrade II

Report of Contributions

Contribution ID: 52

Type: **not specified**

Social Event - Workshop Dinner

Thursday 27 March 2025 19:30 (2 hours)

The conference dinner will take place at Palais Prinz Carl in the old town of Heidelberg. The address is Kornmarkt 1, 69117 Heidelberg.

Contribution ID: **110**

Type: **not specified**

Local introduction

Wednesday 26 March 2025 13:45 (10 minutes)

Presenters: HANSMANN-MENZEMER, Stephanie (Heidelberg University (DE)); UWER, Ulrich (Heidelberg University (DE))

Session Classification: Welcome and Introduction

Contribution ID: 111

Type: **not specified**

Status of Scoping Document review and next steps

Wednesday 26 March 2025 14:00 (15 minutes)

Presenter: GERSHON, Timothy (University of Warwick (GB))

Session Classification: Welcome and Introduction

Contribution ID: **112**

Type: **not specified**

VELO design and performance

Wednesday 26 March 2025 15:15 (20 minutes)

Presenter: LAI, Adriano (Universita e INFN, Cagliari (IT))

Session Classification: Tracking

Contribution ID: **113**

Type: **not specified**

VELO technology and roadmap to TDR

Wednesday 26 March 2025 15:40 (20 minutes)

Presenter: LEMOS CID, Edgar (CERN)

Session Classification: Tracking

Contribution ID: 114

Type: **not specified**

MAPS design and technology (UP, MT-Pixel)

Wednesday 26 March 2025 16:30 (20 minutes)

Presenter: VILELLA FIGUERAS, Eva

Session Classification: Tracking

Contribution ID: 115

Type: **not specified**

MT-SciFi design and technology, including cooling

Wednesday 26 March 2025 16:55 (20 minutes)

Presenter: HAEFELI, Guido (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: Tracking

Contribution ID: 116

Type: **not specified**

MS design and technology, including potential LS3 installation

Wednesday 26 March 2025 17:20 (20 minutes)

Presenter: CHRZASZCZ, Marcin (Polish Academy of Sciences (PL))

Session Classification: Tracking

Contribution ID: 117

Type: **not specified**

Tracking performance (long tracks including pp & PbPb)

Friday 28 March 2025 11:00 (15 minutes)

Presenters: LANGENBRUCH, Christoph Michael (CERN); LANGENBRUCH, Christoph Michael (Heidelberg University (DE))

Session Classification: Tracking

Contribution ID: **118**

Type: **not specified**

Tracking performance (downstream and upstream)

Friday 28 March 2025 11:20 (15 minutes)

Presenter: Mr YUAN, Xuhao (Institute of High Energy Physics, Beijing, China)

Session Classification: Tracking

Contribution ID: **119**

Type: **not specified**

Roadmap to TDR

Wednesday 26 March 2025 17:45 (20 minutes)

Presenter: ARTUSO, Marina (Syracuse University (US))

Session Classification: Tracking

Contribution ID: **120**

Type: **not specified**

Discussion

Wednesday 26 March 2025 18:10 (20 minutes)

Session Classification: Tracking

Contribution ID: 121

Type: **not specified**

RICH design and technology (including LS3 progress)

Thursday 27 March 2025 08:30 (20 minutes)

Presenter: FIORINI, Massimiliano (Universita e INFN, Ferrara (IT))

Session Classification: PID

Contribution ID: 122

Type: **not specified**

TORCH design and technology

Thursday 27 March 2025 08:55 (20 minutes)

Presenter: BLAKE, Thomas (University of Warwick)

Session Classification: PID

Contribution ID: 123

Type: **not specified**

RICH+TORCH performance

Thursday 27 March 2025 09:20 (20 minutes)

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

Session Classification: PID

Contribution ID: 124

Type: **not specified**

RICH+TORCH roadmap to TDR

Thursday 27 March 2025 09:45 (20 minutes)

Presenter: PAPANESTIS, Antonis (Science and Technology Facilities Council STFC (GB))

Session Classification: PID

Contribution ID: 125

Type: **not specified**

PicoCal design and technology (including LS3 progress)

Thursday 27 March 2025 11:00 (20 minutes)

Presenter: MARTINAZZOLI, Loris (CERN)

Session Classification: PID

Contribution ID: 126

Type: **not specified**

PicoCal performance and roadmap to TDR

Thursday 27 March 2025 11:25 (20 minutes)

Presenter: ROLOFF, Philipp (CERN)

Session Classification: PID

Contribution ID: 127

Type: **not specified**

Muon design and technology (including potential LS3 HCAL removal)

Thursday 27 March 2025 11:50 (20 minutes)

Presenter: DEBERNARDIS, Francesco (Universita e INFN, Bari (IT))

Session Classification: PID

Contribution ID: 128

Type: **not specified**

Muon performance (including potential HCAL removal) and roadmap to TDR

Thursday 27 March 2025 12:15 (20 minutes)

Presenter: SATTA, Alessia (INFN e Universita Roma Tor Vergata (IT))

Session Classification: PID

Contribution ID: **129**

Type: **not specified**

Discussion

Thursday 27 March 2025 12:40 (20 minutes)

Session Classification: PID

Contribution ID: 130

Type: **not specified**

Online design, technology and infrastructure including LS3 enhancements

Thursday 27 March 2025 14:00 (25 minutes)

Presenter: COLOMBO, Tommaso (CERN)

Session Classification: Data processing

Contribution ID: 131

Type: **not specified**

Discussion slot on Online

Thursday 27 March 2025 14:25 (15 minutes)

Presenters: FITZPATRICK, Conor (The University of Manchester (GB)); ALESSIO, Federico (CERN); LE GAC, Renaud (CPPM CNRS/IN2P3)

Session Classification: Data processing

Contribution ID: 132

Type: **not specified**

Outcome of the Computing Workshop

Thursday 27 March 2025 14:40 (15 minutes)

Presenter: VOM BRUCH, Dorothea (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France)

Session Classification: Data processing

Contribution ID: 133

Type: **not specified**

Requirements for a U2 Trigger

Thursday 27 March 2025 14:55 (15 minutes)

Presenter: QUAGLIANI, Renato (CERN)

Session Classification: Data processing

Contribution ID: 134

Type: **not specified**

Discussion slot on RTA

Thursday 27 March 2025 15:10 (15 minutes)

Presenters: FITZPATRICK, Conor (The University of Manchester (GB)); ALESSIO, Federico (CERN); LE GAC, Renaud (CPPM CNRS/IN2P3)

Session Classification: Data processing

Contribution ID: 135

Type: **not specified**

Roadmap to "not-a-TDR"

Thursday 27 March 2025 15:25 (15 minutes)

Presenter: NEUFELD, Niko (CERN)

Session Classification: Data processing

Contribution ID: 136

Type: **not specified**

Machine infrastructure and performance

Thursday 27 March 2025 16:30 (20 minutes)

Presenter: SOLFAROLI CAMILLOCCI, Matteo (CERN)

Session Classification: Infrastructure

Contribution ID: **137**

Type: **not specified**

Detector cooling

Thursday 27 March 2025 16:55 (20 minutes)

Presenter: BYCZYNSKI, Wiktor (CERN)

Session Classification: Infrastructure

Contribution ID: **138**

Type: **not specified**

Radiation issues

Thursday 27 March 2025 17:20 (20 minutes)

Presenter: MEDAER, Sacha Emile R (CERN)

Session Classification: Infrastructure

Contribution ID: 139

Type: **not specified**

General infrastructure and sustainability considerations

Thursday 27 March 2025 17:45 (20 minutes)

Presenter: SCHINDLER, Heinrich (CERN)

Session Classification: Infrastructure

Contribution ID: **140**

Type: **not specified**

Discussion

Thursday 27 March 2025 18:10 (20 minutes)

Session Classification: Infrastructure

Contribution ID: **141**

Type: **not specified**

Simulation for the TDRs

Friday 28 March 2025 08:55 (20 minutes)

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

Session Classification: Data processing

Contribution ID: 142

Type: **not specified**

Simulation R&D needed for U2

Friday 28 March 2025 09:20 (20 minutes)

Presenter: CORTI, Gloria (CERN)

Session Classification: Data processing

Contribution ID: 143

Type: **not specified**

Offline computing vision for Run 5

Friday 28 March 2025 09:45 (20 minutes)

Presenter: COUTURIER, Ben (CERN)

Session Classification: Data processing

Contribution ID: 144

Type: **not specified**

DPA vision for Run 5

Friday 28 March 2025 08:30 (20 minutes)

Presenter: Dr SKIDMORE, Nicole (University of Warwick)

Session Classification: Data processing

Contribution ID: 145

Type: **not specified**

Discussion

Friday 28 March 2025 10:10 (20 minutes)

Session Classification: Data processing

Contribution ID: 146

Type: **not specified**

Theory talk

Session Classification: Welcome and Introduction

Contribution ID: **147**

Type: **not specified**

Theory talk

Wednesday 26 March 2025 14:20 (25 minutes)

Presenters: LENZ, Alexander; LENZ, Alexander (IPPP, Durham)

Session Classification: Welcome and Introduction

Contribution ID: 148

Type: **not specified**

Requirements and capabilities for Heavy Ion physics

Wednesday 26 March 2025 14:50 (20 minutes)

Presenter: Dr AUDURIER, Benjamin (Commissariat à l'énergie atomique et aux énergies alternatives - CEA)

Session Classification: Welcome and Introduction

Contribution ID: **149**

Type: **not specified**

Belle 2

Session Classification: Welcome and Introduction

Contribution ID: **150**

Type: **not specified**

Summary & vision

Friday 28 March 2025 12:00 (25 minutes)

Presenter: Prof. GERSABECK, Marco (Albert Ludwigs Universitaet Freiburg (DE))

Session Classification: Welcome and Introduction

Contribution ID: **151**

Type: **not specified**

Wrap up

Friday 28 March 2025 12:35 (15 minutes)

Presenters: HANSMANN-MENZEMER, Stephanie (Heidelberg University (DE)); GERSHON, Timothy (University of Warwick (GB)); UWER, Ulrich (Heidelberg University (DE))

Session Classification: Welcome and Introduction

Contribution ID: **152**

Type: **not specified**

Discussion

Friday 28 March 2025 11:40 (20 minutes)

Session Classification: Tracking

Contribution ID: 153

Type: **not specified**

Discussion slot on "not-a-TDR"

Thursday 27 March 2025 15:40 (15 minutes)

Presenters: FITZPATRICK, Conor (The University of Manchester (GB)); ALESSIO, Federico (CERN); LE GAC, Renaud (CPPM CNRS/IN2P3)

Session Classification: Data processing