

Theatre of Dreams: Beyond the LHCb Phase 1 Upgrade

Report of Contributions

Contribution ID: 0

Type: **not specified**

Tea/Coffee

Contribution ID: 1

Type: **not specified**

Welcome

Wednesday 6 April 2016 09:00 (10 minutes)

Presenter: WATTS, Stephen (University of Manchester)

Contribution ID: 2

Type: **not specified**

Searches for NP in CP violation

Presenter: SILVESTRINI, Luca (INFN Rome)

Contribution ID: 3

Type: **not specified**

General Introduction

Wednesday 6 April 2016 09:15 (25 minutes)

Presenter: WILKINSON, Guy (University of Oxford (GB))

Contribution ID: 4

Type: **not specified**

Belle-II prospects

Thursday 7 April 2016 11:00 (25 minutes)

Presenter: GOLOB, Bostjan (University of Ljubljana)

Contribution ID: 5

Type: **not specified**

ATLAS/CMS prospects

Wednesday 6 April 2016 10:45 (25 minutes)

Presenter: PALLA, Fabrizio (Universita di Pisa & INFN (IT))

Contribution ID: 6

Type: **not specified**

Searches for NP in CP violation

Thursday 7 April 2016 09:25 (30 minutes)

Presenter: SILVESTRINI, Luca (INFN Rome)

Contribution ID: 7

Type: **not specified**

Searches for NP in rare decays

Thursday 7 April 2016 10:00 (30 minutes)

Presenter: ISIDORI, Gino (Universitaet Zuerich (CH))

Contribution ID: 8

Type: **not specified**

Physics benchmarks beyond LS4

Thursday 7 April 2016 09:00 (20 minutes)

Presenter: VAGNONI, Vincenzo (CERN and INFN Bologna)

Contribution ID: 9

Type: **not specified**

LHC capabilities beyond LS4 for IP8

Wednesday 6 April 2016 09:45 (30 minutes)

Presenter: DE MARIA, Riccardo (CERN)

Contribution ID: **10**

Type: **not specified**

Summary

Thursday 7 April 2016 15:30 (20 minutes)

Presenter: WILKINSON, Guy (University of Oxford (GB))

Contribution ID: **11**

Type: **not specified**

Readout and DAQ after LS4, possibilities and limits.

Thursday 7 April 2016 11:30 (20 minutes)

Presenter: NEUFELD, Niko (CERN)

Session Classification: Readout/DAQ/Trigger

Contribution ID: 12

Type: **not specified**

Computing technologies for software trigger after LS4

Thursday 7 April 2016 11:55 (20 minutes)

Presenter: WHITEHEAD, Mark Peter (CERN)

Session Classification: Readout/DAQ/Trigger

Contribution ID: 13

Type: **not specified**

Progress with the TORCH project

Wednesday 6 April 2016 11:15 (15 minutes)

Presenter: HARNEW, Neville (University of Oxford (GB))

Session Classification: TORCH PID

Contribution ID: 14

Type: **not specified**

TORCH concept to measure photon time

Wednesday 6 April 2016 11:35 (15 minutes)

Presenter: FORTY, Roger (CERN)

Session Classification: TORCH PID

Contribution ID: 15

Type: **not specified**

First results with simulation and plans

Wednesday 6 April 2016 11:55 (15 minutes)

Presenter: VAN DIJK, Maarten (University of Bristol (GB))

Session Classification: TORCH PID

Contribution ID: 16

Type: **not specified**

Super VELO: Overview, Technologies, Radiation Environment

Thursday 7 April 2016 14:25 (25 minutes)

Presenter: COLLINS, Paula (CERN)

Session Classification: VELO

Contribution ID: 17

Type: **not specified**

Performance studies with full and toy simulations

Thursday 7 April 2016 14:55 (25 minutes)

Presenter: HARRISON, Jon (University of Manchester (GB))

Session Classification: VELO

Contribution ID: **18**

Type: **not specified**

The present RICH system at 10^{34} Hz/cm²

Wednesday 6 April 2016 13:15 (15 minutes)

Presenter: D'AMBROSIO, Carmelo (CERN)

Session Classification: RICH PID

Contribution ID: **19**

Type: **not specified**

PID performance at 10^{34} Hz/cm²

Wednesday 6 April 2016 13:35 (20 minutes)

Presenter: EASO, Sajan (STFC - Rutherford Appleton Lab. (GB))

Session Classification: RICH PID

Contribution ID: 20

Type: **not specified**

Introduction: Status of the LS3 upgrade

Thursday 7 April 2016 13:20 (15 minutes)

Presenter: MACHEFERT, Frederic (Laboratoire de l'Accelérateur Lineaire (FR))

Session Classification: CALO PID

Contribution ID: **21**

Type: **not specified**

The Physics Case

Thursday 7 April 2016 13:40 (15 minutes)

Presenter: DETTORI, Francesco (CERN)

Session Classification: CALO PID

Contribution ID: 22

Type: **not specified**

New technologies

Thursday 7 April 2016 14:00 (20 minutes)

Presenter: VIRDEE, Jim (Imperial College Sci., Tech. & Med. (GB))

Session Classification: CALO PID

Contribution ID: 23

Type: **not specified**

UPSTREAM tracking

Wednesday 6 April 2016 17:15 (15 minutes)

Presenter: MARTINELLI, Maurizio (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: TRACKING STATION AT MAGNET SIDES

Contribution ID: 24

Type: **not specified**

Characterisation of the environment

Wednesday 6 April 2016 17:00 (15 minutes)

Presenter: BABUSCHKIN, Igor (University of Manchester (GB))

Session Classification: TRACKING STATION AT MAGNET SIDES

Contribution ID: 25

Type: **not specified**

General overview (physics, infrastructure)

Wednesday 6 April 2016 16:30 (30 minutes)

Presenter: BETTLER, Marc Olivier (CERN)

Session Classification: TRACKING STATION AT MAGNET SIDES

Contribution ID: 26

Type: **not specified**

(infrastructure considerations)

Presenter: BETTLER, Marc Olivier (CERN)

Contribution ID: 27

Type: **not specified**

Physics simulations

Presenter: BETTLER, Marc Olivier (CERN)

Contribution ID: 28

Type: **not specified**

Running the current muon system at 2×10^{34} Hz/cm²

Wednesday 6 April 2016 14:00 (15 minutes)

Presenter: CARDINI, Alessandro (INFN Cagliari, Italy)

Session Classification: MUON PID

Contribution ID: 29

Type: **not specified**

Challenges operating the muon system at 2×10^{34} Hz/cm² and new detector system for high irradiation levels

Wednesday 6 April 2016 14:20 (35 minutes)

Presenter: DE SIMONE, Patrizia (Istituto Nazionale Fisica Nucleare Frascati (IT))

Session Classification: MUON PID

Contribution ID: **30**

Type: **not specified**

New detector on the most irradiated region

Contribution ID: 31

Type: **not specified**

Tracker Technology Options

Wednesday 6 April 2016 15:25 (15 minutes)

Presenter: TUNING, Niels (Nikhef National institute for subatomic physics (NL))

Session Classification: TRACKING SYSTEM

Contribution ID: 32

Type: **not specified**

Occupancy and Ghost Rate Studies

Wednesday 6 April 2016 15:45 (15 minutes)

Presenter: CIEZAREK, Gregory Max (Nikhef National institute for subatomic physics (NL))

Session Classification: TRACKING SYSTEM

Contribution ID: 33

Type: **not specified**

Fast track finders for real-time tracking

Wednesday 6 April 2016 16:05 (15 minutes)

Presenter: NERI, Nicola (Università degli Studi e INFN Milano (IT))

Session Classification: TRACKING SYSTEM