

CERN EP Department - R&D on experimental technologies - Workshop 1

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and Introduction

Friday 16 March 2018 09:00 (10 minutes)

Presenters: KRAMMER, Manfred (CERN); JORAM, Christian (CERN)

Contribution ID: 3

Type: **not specified**

General discussion 1

Friday 16 March 2018 12:30 (10 minutes)

Contribution ID: 7

Type: **not specified**

General discussion 2

Friday 16 March 2018 17:00 (30 minutes)

Contribution ID: 8

Type: **not specified**

Introduction to Software Challenges

Friday 16 March 2018 15:30 (15 minutes)

Presenter: STEWART, Graeme (CERN)

Session Classification: Software

Contribution ID: 9

Type: **not specified**

Future Tracking

Friday 16 March 2018 15:45 (10 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Software

Contribution ID: **10**

Type: **not specified**

Machine Learning Solutions

Friday 16 March 2018 15:55 (10 minutes)

Presenter: PIERINI, Maurizio (CERN)

Session Classification: Software

Contribution ID: 11

Type: **not specified**

Physics from an End-to-End System

Friday 16 March 2018 16:05 (10 minutes)

Presenter: EULISSE, Giulio (CERN)

Session Classification: Software

Contribution ID: 12

Type: **not specified**

Future R&D in Detector Mechanics: possible directions

Friday 16 March 2018 11:45 (40 minutes)

Presenters: ONNELA, Antti (CERN); GARGIULO, Corrado (CERN)

Session Classification: Detector Mechanics

Contribution ID: **13**

Type: **not specified**

Calorimetry

Friday 16 March 2018 11:00 (25 minutes)

Presenter: ALEKSA, Martin (CERN)

Session Classification: Calorimetry and light based detectors

Contribution ID: 14

Type: **not specified**

Light based detectors

Friday 16 March 2018 11:25 (20 minutes)

Presenter: D'AMBROSIO, Carmelo (CERN)

Session Classification: Calorimetry and light based detectors

Contribution ID: 15

Type: **not specified**

High Speed Link Technologies, state of the art and extrapolation to 2025, state of developments for (HL)-LHC

Friday 16 March 2018 13:40 (20 minutes)

Presenter: KULIS, Szymon (CERN)

Session Classification: High Speed Links

Contribution ID: 16

Type: **not specified**

Map of the Community and Development Activities, Challenges beyond HL-LHC

Friday 16 March 2018 14:00 (20 minutes)

Presenter: RODRIGUES SIMOES MOREIRA, Paulo (CERN)

Session Classification: High Speed Links

Contribution ID: 17

Type: **not specified**

R&D on Gaseous Detector Technologies

Friday 16 March 2018 09:55 (40 minutes)

Presenters: REMBSER, Christoph (CERN); OLIVERI, Eraldo (CERN)

Session Classification: Gas detectors

Contribution ID: **18**

Type: **not specified**

Future ASIC Technologies in HEP Experiments

Friday 16 March 2018 14:25 (40 minutes)

Presenter: CAMPBELL, Michael (CERN)

Session Classification: IC technologies

Contribution ID: **19**

Type: **not specified**

Generic studies

Friday 16 March 2018 16:15 (20 minutes)

Presenter: CURE, Benoit (CERN)

Session Classification: Detector Magnets

Contribution ID: 20

Type: **not specified**

Magnet Case Studies (CLIC/ILC, FCC-ee,eh,hh, IAXO, Facility Magnets, etc.)

Friday 16 March 2018 16:38 (20 minutes)

Presenter: TEN KATE, Herman (CERN)

Session Classification: Detector Magnets

Contribution ID: 21

Type: **not specified**

Overview and CMOS/hybrid pixel

Friday 16 March 2018 09:10 (13 minutes)

Presenter: PERNEGGER, Heinz (CERN)

Session Classification: Silicon detectors

Contribution ID: 22

Type: **not specified**

Large pitch and timing detectors, radiation modelling and simulation

Friday 16 March 2018 09:23 (13 minutes)

Presenter: DANNHEIM, Dominik (CERN)

Session Classification: Silicon detectors

Contribution ID: 23

Type: **not specified**

Module assembly, Interconnection and Infrastructure

Friday 16 March 2018 09:36 (13 minutes)

Presenter: RIEDLER, Petra (CERN)

Session Classification: Silicon detectors