

CLIC Detector and Physics Collaboration Meeting



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome & general news

Tuesday 28 August 2018 08:30 (5 minutes)

Presenter: ROBSON, Aidan (University of Glasgow (GB))

Session Classification: CLICdp Plenary

Contribution ID: 2

Type: **not specified**

CLICdp Advisory Board review: presentation and discussion

Tuesday 28 August 2018 08:35 (25 minutes)

Presenter: ROBSON, Aidan (University of Glasgow (GB))

Session Classification: CLICdp Plenary

Contribution ID: 3

Type: **not specified**

CLICdet cost estimate

Tuesday 28 August 2018 09:00 (10 minutes)

Presenter: ELSENER, Konrad (CERN)

Session Classification: CLICdp Plenary

Contribution ID: 4

Type: **not specified**

Report from the Speakers Committee

Tuesday 28 August 2018 09:20 (10 minutes)

Presenter: BOYKO, Igor (Joint Institute for Nuclear Research (RU))

Session Classification: CLICdp Plenary

Contribution ID: 5

Type: **not specified**

Report from the CLIC Communication Initiative

Tuesday 28 August 2018 09:10 (10 minutes)

Presenter: STROM, Lars Rickard (CERN)

Session Classification: CLICdp Plenary

Contribution ID: 6

Type: **not specified**

Update on European Strategy process

Wednesday 29 August 2018 16:25 (10 minutes)

Presenter: ABRAMOWICZ, Halina (Tel Aviv University (IL))

Session Classification: CLICdp Plenary

Contribution ID: 7

Type: **not specified**

Status report on Top Physics paper

Wednesday 29 August 2018 16:35 (15 minutes)

Presenter: STROM, Lars Rickard (CERN)

Session Classification: CLICdp Plenary

Contribution ID: 8

Type: **not specified**

Status report on Physics Potential yellow report

Wednesday 29 August 2018 16:10 (15 minutes)

Presenter: RIVA, Francesco (Universite de Geneve (CH))

Session Classification: CLICdp Plenary

Contribution ID: 9

Type: **not specified**

Status report on Detector Technologies R&D yellow report

Wednesday 29 August 2018 16:50 (10 minutes)

Presenter: DANNHEIM, Dominik (CERN)

Session Classification: CLICdp Plenary

Contribution ID: **10**

Type: **not specified**

Status report on Detector Performance note

Wednesday 29 August 2018 17:00 (15 minutes)

Presenter: WEBER, Matthias Artur (CERN)

Session Classification: CLICdp Plenary

Contribution ID: 11

Type: **not specified**

Status report on CLIC project executive summary report

Wednesday 29 August 2018 17:15 (10 minutes)

Presenter: LINSSEN, Lucie (CERN)

Session Classification: CLICdp Plenary

Contribution ID: 12

Type: **not specified**

Status report on CLIC accelerator documents

Wednesday 29 August 2018 17:25 (15 minutes)

Presenter: BURROWS, Philip Nicholas (University of Oxford (GB))

Session Classification: CLICdp Plenary

Contribution ID: 13

Type: **not specified**

Report from the Institute Board meeting

Wednesday 29 August 2018 16:00 (10 minutes)

Presenter: MARTIN, Victoria Jane (The University of Edinburgh (GB))

Session Classification: CLICdp Plenary

Contribution ID: 14

Type: **not specified**

Discussion & close

Wednesday 29 August 2018 17:50 (10 minutes)

Session Classification: CLICdp Plenary

Contribution ID: 15

Type: **not specified**

News from WHIZARD: Pythia 8 interface

Wednesday 29 August 2018 10:30 (19 minutes)

Presenter: BRASS, Simon (Universität Siegen)

Session Classification: Software / Simulation / Optimization

Contribution ID: 16

Type: **not specified**

Software status and plans

Wednesday 29 August 2018 10:49 (19 minutes)

Presenter: SAILER, Andre (CERN)

Session Classification: Software / Simulation / Optimization

Contribution ID: 17

Type: **not specified**

iLCDirac Status

Wednesday 29 August 2018 11:08 (12 minutes)

Presenter: PETRIC, Marko (CERN)

Session Classification: Software / Simulation / Optimization

Contribution ID: **18**

Type: **not specified**

Status of Tracking

Wednesday 29 August 2018 11:20 (19 minutes)

Presenter: LEOGRANDE, Emilia (CERN)

Session Classification: Software / Simulation / Optimization

Contribution ID: 19

Type: **not specified**

Evaluation of PFO timing cuts

Wednesday 29 August 2018 11:39 (13 minutes)

Presenter: BRONDOLIN, Erica (CERN)

Session Classification: Software / Simulation / Optimization

Contribution ID: 20

Type: **not specified**

ILD Optimization and Validation

Wednesday 29 August 2018 11:52 (19 minutes)

Presenter: GAEDE, Frank-Dieter (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Software / Simulation / Optimization

Contribution ID: 21

Type: **not specified**

Calorimeter simulation with a generative model

Wednesday 29 August 2018 12:11 (19 minutes)

Presenter: QUASt, Thorben (Rheinisch Westfaelische Tech. Hoch. (DE))

Session Classification: Software / Simulation / Optimization

Contribution ID: 22

Type: **not specified**

Enhanced WW sensitivity via azimuthal angles

Tuesday 28 August 2018 09:30 (20 minutes)

Presenter: LOMBARDO, Davide

Session Classification: Physics / Analysis

Contribution ID: 23

Type: **not specified**

Multiboson production + VBS ttbar

Tuesday 28 August 2018 09:50 (20 minutes)

Presenters: KILIAN, Wolfgang Heinz (Universitaet Siegen (DE)); KILIAN, Wolfgang (University of Siegen)

Session Classification: Physics / Analysis

Contribution ID: 24

Type: **not specified**

Measurement of Higgs CP in ttH production

Tuesday 28 August 2018 10:40 (20 minutes)

Presenter: ZHANG, Yixuan (The University of Edinburgh (GB))

Session Classification: Physics / Analysis

Contribution ID: 25

Type: **not specified**

Global view on the Higgs self-coupling

Tuesday 28 August 2018 11:00 (20 minutes)

Presenter: RIEMBAU, Marc (IFAE/DESY)

Session Classification: Physics / Analysis

Contribution ID: 26

Type: **not specified**

Double Higgs production and self-coupling

Tuesday 28 August 2018 11:20 (20 minutes)

Presenter: SCHNOOR, Ulrike (CERN)

Session Classification: Physics / Analysis

Contribution ID: 27

Type: **not specified**

EW baryogenesis via Higgs+Singlet

Tuesday 28 August 2018 11:40 (20 minutes)

Presenters: NO REDONDO, Jose Miguel (University of Sussex (GB)); NO REDONDO, Jose Miguel (Conseil European Recherche Nucl. (CERN)-Unknown-Unknown)

Session Classification: Physics / Analysis

Contribution ID: 28

Type: **not specified**

Lepton flavor violating processes and neutrino mass generation

Tuesday 28 August 2018 14:15 (20 minutes)

Presenter: Dr ZHANG, Yongchao

Session Classification: Physics / Analysis

Contribution ID: 29

Type: **not specified**

Implications of LFUV anomalies/ heavy singlets

Tuesday 28 August 2018 14:35 (25 minutes)

Presenters: BUTTAZZO, Dario (Universität Zürich); BUTTAZZO, Dario (Technische Universität München (DE))

Session Classification: Physics / Analysis

Contribution ID: **30**

Type: **not specified**

Exploring Inert Scalars at CLIC

Tuesday 28 August 2018 15:00 (20 minutes)

Presenter: ZARNECKI, Aleksander Filip (University of Warsaw)

Session Classification: Physics / Analysis

Contribution ID: 31

Type: **not specified**

FCNCs in top decays / EFT fits and new observables

Tuesday 28 August 2018 15:20 (25 minutes)

Presenter: DURIEUX, Gauthier (DESY)

Session Classification: Physics / Analysis

Contribution ID: 32

Type: **not specified**

Top quark mass measurement in the continuum + luminosity spectrum

Tuesday 28 August 2018 15:45 (15 minutes)

Presenters: FULLANA TORREGROSA, Esteban (Univ. of Valencia and CSIC (ES)); ZEHETNER, Philipp (CERN)

Session Classification: Physics / Analysis

Contribution ID: 33

Type: **not specified**

Boosted top tagging in stop decays

Presenter: STROM, Lars Rickard (CERN)

Session Classification: Physics / Analysis

Contribution ID: 34

Type: **not specified**

Jet Performance and Validation at CLIC

Wednesday 29 August 2018 13:30 (20 minutes)

Presenter: WEBER, Matthias Artur (CERN)

Session Classification: Calorimeter R&D

Contribution ID: 35

Type: **not specified**

New measurement of a reduced Moliere radius obtained with a very compact LumiCal prototype setup

Wednesday 29 August 2018 13:50 (20 minutes)

Presenter: BENHAMMOU, Yan (Tel Aviv University (IL))

Session Classification: Calorimeter R&D

Contribution ID: **36**

Type: **not specified**

AHCAL Beamtests

Wednesday 29 August 2018 14:10 (20 minutes)

Presenter: KRUGER, Katja (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Calorimeter R&D

Contribution ID: 37

Type: **not specified**

Characterization of silicon sensors for high-granularity calorimeters at CERN

Wednesday 29 August 2018 15:10 (20 minutes)

Presenter: BRONDOLIN, Erica (CERN)

Session Classification: Calorimeter R&D

Contribution ID: **38**

Type: **not specified**

Beam Tests for the CMS HGCal upgrade

Wednesday 29 August 2018 14:50 (20 minutes)

Presenter: QUASt, Thorben (Rheinisch Westfaelische Tech. Hoch. (DE))

Session Classification: Calorimeter R&D

Contribution ID: 39

Type: **not specified**

Report from the Publication Committee

Wednesday 29 August 2018 17:40 (10 minutes)

Presenter: WATSON, Nigel (University of Birmingham (GB))

Session Classification: CLICdp Plenary

Contribution ID: 40

Type: **not specified**

Development of Enhanced Lateral Drift (ELAD) sensors

Wednesday 29 August 2018 08:45 (20 minutes)

Presenters: VELYKA, Anastasiia (DESY); VELYKA, Anastasiia (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Vertex / Tracker R&D

Contribution ID: 41

Type: **not specified**

3D TCAD simulations of HR-CMOS sensors

Wednesday 29 August 2018 09:05 (20 minutes)

Presenter: MUNKER, Ruth Magdalena (University of Bonn (DE))

Session Classification: Vertex / Tracker R&D

Contribution ID: 42

Type: **not specified**

Qualification of CLICpix2 assemblies with planar sensors

Tuesday 28 August 2018 16:25 (20 minutes)

Presenter: WILLIAMS, Morag Jean (University of Glasgow (GB))

Session Classification: Vertex / Tracker R&D

Contribution ID: 43

Type: **not specified**

Allpix2 - a pixel detector simulation framework

Wednesday 29 August 2018 09:25 (20 minutes)

Presenter: SCHÜTZE, Paul (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Vertex / Tracker R&D

Contribution ID: 44

Type: **not specified**

Design and characterization of HV/HR-CMOS sensor chips

Tuesday 28 August 2018 16:45 (20 minutes)

Presenter: KREMASTIOTIS, Iraklis (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Vertex / Tracker R&D

Contribution ID: 45

Type: **not specified**

ATLASPix status and development of CLIC-version

Tuesday 28 August 2018 17:05 (20 minutes)

Presenters: PERIC, Ivan (KIT - Karlsruhe Institute of Technology (DE)); PERIC, Ivan (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Vertex / Tracker R&D

Contribution ID: 46

Type: **not specified**

Two-Photon Absorption TCT with CMOS sensors

Tuesday 28 August 2018 17:25 (20 minutes)

Presenter: FERNANDEZ GARCIA, Marcos (Universidad de Cantabria (ES))

Session Classification: Vertex / Tracker R&D

Contribution ID: 47

Type: **not specified**

SOI pixel detectors for CLIC: 2017 testbeam results summary and CLIPS design overview

Tuesday 28 August 2018 17:45 (20 minutes)

Presenter: BUGIEL, Szymon (AGH University of Science and Technology (PL))

Session Classification: Vertex / Tracker R&D

Contribution ID: 48

Type: **not specified**

Combining TCAD and Monte Carlo methods to simulate High-Resistivity CMOS pixel detectors using the Allpix Squared framework

Wednesday 29 August 2018 09:45 (20 minutes)

Presenter: SPANNAGEL, Simon (CERN)

Session Classification: Vertex / Tracker R&D

Contribution ID: 49

Type: **not specified**

SiW Ecal beamtests in 2017 and 2018 - Review and preliminary results

Wednesday 29 August 2018 14:30 (20 minutes)

Presenter: IRLES, Adrian (LAL)

Session Classification: Calorimeter R&D

Contribution ID: 50

Type: **not specified**

Axion-like particles at CLIC

Tuesday 28 August 2018 14:00 (15 minutes)

Presenters: MIMASU, Ken (Université Catholique de Louvain); MIMASU, Ken (Particle Physics-Rutherford Appleton Laboratory-STFC - Science &)

Session Classification: Physics / Analysis