

# **Corfu2023 Workshop on Future Accelerators**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome

*Monday 24 April 2023 09:25 (5 minutes)*

**Presenter:** ZOUPANOS, George (National Technical Univ. of Athens (GR))

Contribution ID: 2

Type: **not specified**

## **Highlights and future perspectives of LHC experiment**

*Monday 24 April 2023 09:30 (1 hour)*

**Presenter:** IPPOLITO, Valerio (INFN Sezione di Roma (IT))

Contribution ID: 3

Type: **not specified**

# The physics case for next-generation colliders

*Monday 24 April 2023 10:30 (1 hour)*

**Presenter:** YOU, Tevong (King's College London)

Contribution ID: 4

Type: **not specified**

## Physics at a future e+e- Higgs factory

*Monday 24 April 2023 11:30 (45 minutes)*

**Presenter:** LIST, Jenny (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: 5

Type: **not specified**

## **Detector challenges for Higgs factories**

*Monday 24 April 2023 12:40 (45 minutes)*

**Presenter:** DAM, Mogens (University of Copenhagen (DK))

Contribution ID: 6

Type: **not specified**

# The ATLAS ITk Strip Detector for the Phase-II LHC Upgrade

*Wednesday 26 April 2023 16:30 (30 minutes)*

**Presenter:** GARCIA ALONSO, Andrea (Nikhef National institute for subatomic physics (NL))

Contribution ID: 7

Type: **not specified**

## **Solid State Tracking Detectors for Experiments at Future Circular Colliders**

*Monday 24 April 2023 16:00 (45 minutes)*

**Presenter:** CASSE, Gianluigi (University of Liverpool (GB))



Contribution ID: 8

Type: **not specified**

## **Gaseous tracking detectors**

*Friday 28 April 2023 13:15 (45 minutes)*

**Presenter:** IENGO, Paolo (CERN)

Contribution ID: 9

Type: **not specified**

# Calorimetry at Future Circular Collider Experiments

*Friday 28 April 2023 10:00 (45 minutes)*

**Presenter:** LAKTINEH, Imad (Centre National de la Recherche Scientifique (FR))

Contribution ID: **10**

Type: **not specified**

## **Higgs Phycis: current status from the experiment side**

*Tuesday 25 April 2023 09:30 (45 minutes)*

**Presenter:** WANG, Jin (Chinese Academy of Sciences (CN))

Contribution ID: 11

Type: **not specified**

# Higgs physics in the era of future accelerators

*Tuesday 25 April 2023 10:15 (45 minutes)*

**Presenter:** BAER, Howard

Contribution ID: 12

Type: **not specified**

## **QCD/top Physics: current status from the experiment side**

*Tuesday 25 April 2023 11:00 (45 minutes)*

**Presenter:** JIMENEZ PENA, Javier (IFAE Barcelona)

Contribution ID: 13

Type: **not specified**

## QCD/top phenomena at future colliders

*Tuesday 25 April 2023 12:10 (45 minutes)*

**Presenter:** KLUTH, Stefan (Max Planck Society (DE))

Contribution ID: 14

Type: **not specified**

## **QCD higher-order corrections: current status and prospects**

*Tuesday 25 April 2023 12:55 (45 minutes)*

**Presenter:** PAPADOPOULOS, Costas (NCSR Demokritos)

Contribution ID: 15

Type: **not specified**

## Selecting long-lived particles in the first trigger level at the LHC

*Tuesday 25 April 2023 13:40 (20 minutes)*

**Presenter:** PICA, Lorenzo (SNS & INFN Pisa (IT))



Contribution ID: 16

Type: **not specified**

## **Beyond standard model searches: current status from the experiment side**

*Tuesday 25 April 2023 16:00 (45 minutes)*

**Presenter:** KAADZE, Keti (Kansas State University (US))

Contribution ID: 17

Type: **not specified**

## **Beyond SM phenomena at future accelerators**

*Tuesday 25 April 2023 16:45 (45 minutes)*

**Presenter:** TORRE, Riccardo (Dipartimento di Fisica - Università di Pisa and INFN Sezione di Pisa)

Contribution ID: **18**

Type: **not specified**

## **BSM theory expectations at future accelerators**

*Tuesday 25 April 2023 17:50 (45 minutes)*

**Presenter:** POKORSKI, Stefan (University of Warsaw)

Contribution ID: 19

Type: **not specified**

## **Hybridization and assembly of LGAD devices for the HGTD ATLAS upgrade**

*Monday 24 April 2023 18:35 (20 minutes)*

**Presenter:** GAUTAM, Viveka (IFAE- Barcelona(ES))

Contribution ID: **20**

Type: **not specified**

## **Future Circular Electron Positron and Muon Colliders**

*Wednesday 26 April 2023 09:30 (45 minutes)*

**Presenter:** HAN, Tao

Contribution ID: 21

Type: **not specified**

## **Detector Challenges at a Future Muon Collide**

**Presenter:** PASTRONE, Nadia (Universita e INFN Torino (IT))

Contribution ID: 22

Type: **not specified**

## **Electroweak Physics: current status from the experiment side**

*Wednesday 26 April 2023 10:15 (45 minutes)*

**Presenter:** KUPRASH, Oleg (Albert Ludwigs Universitaet Freiburg (DE))

Contribution ID: 23

Type: **not specified**

## **Electroweak interactions and neutrinos**

*Wednesday 26 April 2023 11:30 (45 minutes)*

**Presenter:** BLONDEL, Alain (Universite de Geneve (CH))



Contribution ID: 24

Type: **not specified**

## **Electroweak physics at present and future colliders**

*Wednesday 26 April 2023 12:15 (45 minutes)*

**Presenter:** VICINI, Alessandro (Università degli Studi e INFN Milano (IT))

Contribution ID: 25

Type: **not specified**

## **Flavour Physics : current status from the experiment side**

*Thursday 27 April 2023 09:30 (45 minutes)*

**Presenter:** PERAZZINI, Stefano (Universita e INFN, Bologna (IT))

Contribution ID: 26

Type: **not specified**

## **Future prospects for B physics**

*Wednesday 26 April 2023 17:20 (45 minutes)*

**Presenter:** BLANKE, Monika (Karlsruhe Institute of Technology)

Contribution ID: 27

Type: **not specified**

## **Flavour physics at future colliders**

*Thursday 27 April 2023 10:15 (45 minutes)*

**Presenter:** RENNERT, Sophie Alice

Contribution ID: 28

Type: **not specified**

## Neutrino physics at future accelerators

*Friday 28 April 2023 10:45 (45 minutes)*

**Presenter:** ANTUSCH, Stefan

Contribution ID: 29

Type: **not specified**

## **Dark matter theory in the era of future accelerators**

*Friday 28 April 2023 11:30 (45 minutes)*

**Presenter:** KEUS, Venus (Dublin Institute for Advanced Studies (DIAS))

Contribution ID: **30**

Type: **not specified**

## **Astroparticle constraints from high- $z$ galaxies**

*Friday 28 April 2023 12:45 (30 minutes)*

**Presenter:** GANDOLFI, Giovanni

Contribution ID: 31

Type: **not specified**

## **EW multiplets at future colliders, the related cosmology and complementary probes**

*Thursday 27 April 2023 12:55 (45 minutes)*

**Primary author:** PANCI, Paolo (Universita & INFN Pisa (IT))

**Presenter:** PANCI, Paolo (Universita & INFN Pisa (IT))



Contribution ID: 32

Type: **not specified**

## **Feebly coupled particles, ALPs etc. at future accelerators**

*Friday 28 April 2023 16:00 (45 minutes)*

**Presenter:** SEMERTZIDIS, Yannis (IBS/CAPP and KAIST in Republic of Korea (South Korea))

Contribution ID: 33

Type: **not specified**

## **A New Probe of BSM Physics at the LHC - the MoEDAL-MAPP Experiment**

*Wednesday 26 April 2023 15:45 (45 minutes)*

**Presenter:** PINFOLD, James (University of Alberta (CA))

Contribution ID: 34

Type: **not specified**

## **The FCC Feasibility Study and Global Collaboration**

*Thursday 27 April 2023 11:25 (45 minutes)*

**Presenter:** ABRAMOV, Andrey (CERN)

Contribution ID: 35

Type: **not specified**

## Road Towards Energy Efficient Accelerators

*Monday 24 April 2023 17:50 (45 minutes)*

**Presenter:** STAPNES, Steinar (CERN)

Contribution ID: **36**

Type: **not specified**

## Summary

*Friday 28 April 2023 16:45 (1 hour)*

**Presenter:** BLONDEL, Alain (Universite de Geneve (CH))

Contribution ID: 37

Type: **not specified**

## Performance of the ATLAS Tile Calorimeter

*Tuesday 25 April 2023 18:55 (20 minutes)*

**Presenter:** POLACEK, Stanislav (Charles University (CZ))

Contribution ID: **38**

Type: **not specified**

## **ATLAS ITk Pixel Detector Overview**

*Wednesday 26 April 2023 13:00 (30 minutes)*

**Presenter:** VANNOLI, Leonardo (INFN e Universita Genova (IT))

Contribution ID: 39

Type: **not specified**

## Dual-Readout Calorimetry for future HEP Experiments

*Tuesday 25 April 2023 18:35 (20 minutes)*

**Presenter:** PARETI, Andrea (Pavia University and INFN (IT))



Contribution ID: 40

Type: **not specified**

## **Design and optimisation of the FCC-ee and FCC-hh collimation system**

*Thursday 27 April 2023 12:10 (45 minutes)*

**Presenter:** ABRAMOV, Andrey (CERN)

Contribution ID: 41

Type: **not specified**

## High Luminosity LHC (HL-LHC)

*Monday 24 April 2023 13:25 (45 minutes)*

**Presenter:** PAPAPHILIPPOU, Yannis (CERN)

Contribution ID: 42

Type: **not specified**

## Higgs Physics with Future Accelerators

*Monday 24 April 2023 16:45 (45 minutes)*

**Presenter:** GOUSKOS, Loukas (CERN)