

MPP DPG Rehearsals 2022

Report of Contributions

Contribution ID: 1

Type: **not specified**

The LHC as Lepton–Proton Collider: Searches for Resonant Production of Leptoquarks

Wednesday, 16 March 2022 09:00 (20 minutes)

Presenter: BUCHIN, Daniel

Session Classification: Sessions

Contribution ID: 2

Type: **not specified**

Search for charged Higgs bosons in $H^+ \rightarrow Wh \rightarrow l\nu bb$ decays with the ATLAS detector

Wednesday, 16 March 2022 09:20 (20 minutes)

Presenter: GREWE, Simon

Session Classification: Sessions

Contribution ID: 3

Type: **not specified**

Identification of highly boosted $Z \rightarrow ee$ decays with the ATLAS detector

Wednesday, 16 March 2022 09:40 (20 minutes)

Presenter: KIWIT, Florian

Session Classification: Sessions

Contribution ID: 4

Type: **not specified**

**Effective Field Theory interpretation of the
 $pp \rightarrow H \rightarrow 4l$ Higgs boson decay measurements with
the ATLAS detector**

Wednesday, 16 March 2022 10:00 (20 minutes)

Presenter: REED, Alice

Session Classification: Sessions

Contribution ID: 5

Type: **not specified**

Search for Electroweak Production of Sleptons in Di-Lepton Final States with the ATLAS Detector

Wednesday, 16 March 2022 10:20 (20 minutes)

Presenter: RENDEL, Marian

Session Classification: Sessions

Contribution ID: 6

Type: **not specified**

Quality Control in the Construction of new small-diameter Muon Drift Tube (sMDT) Chambers for the ATLAS Muon Spectrometer at the HL-LHC

Wednesday, 16 March 2022 11:00 (20 minutes)

Presenter: BUCHIN, Daniel

Session Classification: Sessions

Contribution ID: 7

Type: **not specified**

Geometry measurement of the new small-diameter Monitored Drift Tube (sMDT) chambers constructed for the HL-LHC upgrade of the ATLAS Muon Spectrometer

Wednesday, 16 March 2022 11:20 (20 minutes)

Presenter: REED, Alice

Session Classification: Sessions

Contribution ID: 8

Type: **not specified**

Voltage scans on germanium detectors

Wednesday, 16 March 2022 14:00 (20 minutes)

Presenter: HAGEMANN, Felix

Session Classification: Sessions

Contribution ID: 9

Type: **not specified**

Low-background poly(ethylene naphthalate) as active structural material for the LEGEND-200 $0\nu\beta\beta$ experiment

Wednesday, 16 March 2022 14:20 (20 minutes)

Presenter: FISCHER, Felix (Max-Planck-Institut für Physik)

Session Classification: Sessions

Contribution ID: **10**

Type: **not specified**

Investigation of unit cell configuration for the booster section of MADMAX

Wednesday, 16 March 2022 14:40 (20 minutes)

Presenter: SHTEMBARI, Lolian

Session Classification: Sessions

Contribution ID: 11

Type: **not specified**

Non parametric background models for axion haloscopes

Wednesday, 16 March 2022 15:00 (20 minutes)

Presenter: DIEHL, Johannes

Session Classification: Sessions

Contribution ID: 12

Type: **not specified**

Construction of new small-diameter Monitored Drift Tube (sMDT) chambers for the HL-LHC upgrade of the ATLAS Muonspectrometer

Wednesday, 16 March 2022 11:40 (20 minutes)

Presenter: RENDEL, Marian

Session Classification: Sessions

Contribution ID: 13

Type: **not specified**

Fabrication of Resistive Plate Chambers

Wednesday, 16 March 2022 12:00 (20 minutes)

Presenter: TURKOVIC, Timur

Session Classification: Sessions

Contribution ID: 14

Type: **not specified**

Performance of Belle II's Level 1 Single Track Trigger

Wednesday, 16 March 2022 16:00 (20 minutes)

Presenter: MEGGENDORFER, Felix

Session Classification: Sessions

Contribution ID: 15

Type: **not specified**

Belle II results on charmless hydronic B-decays and prospects

Wednesday, 16 March 2022 16:20 (20 minutes)

Presenter: SKORUPA, Justin

Session Classification: Sessions

Contribution ID: 16

Type: **not specified**

Particle Identification and Reconstruction with the DUNE ND-GAr Near Detector

Thursday, 17 March 2022 11:00 (20 minutes)

Presenter: EMBERGER, Lorenz

Session Classification: Sessions

Contribution ID: 17

Type: **not specified**

Exploring the intrinsic Time Resolution of the SiPM-on-Tile Technology

Thursday, 17 March 2022 11:20 (20 minutes)

Presenter: HUMMER, Fabian

Session Classification: Sessions

Contribution ID: 18

Type: **not specified**

Commissioning and Results of a Scintillator Based Beam Abort and Machine Protection System at SuperKEKB

Thursday, 17 March 2022 11:40 (20 minutes)

Presenter: POPOV, Ivan

Session Classification: Sessions

Contribution ID: 19

Type: **not specified**

First Results and Prospects for $\tau \rightarrow e + \alpha(\text{invisible})$ at Belle II

Thursday, 17 March 2022 12:00 (20 minutes)

Presenter: KRÄTZSCHMAR, Thomas

Session Classification: Sessions

Contribution ID: 20

Type: **not specified**

Operation of low threshold cryogenic calorimeters in a dry dilution refrigerator in the COSINUS experiment

Wednesday, 16 March 2022 16:40 (20 minutes)

Presenter: KELLERMANN, Moritz

Session Classification: Sessions

Contribution ID: 21

Type: **not specified**

remoTES sensors: Development of a novel detector design for NaI cryogenic calorimeters for the COSINUS dark matter experiment

Wednesday, 16 March 2022 17:00 (20 minutes)

Presenter: RAGHUNATH BHARADWAJ, Mukund

Session Classification: Sessions

Contribution ID: 23

Type: **not specified**

Assembly and tests of the first TRISTAN detector modules

Thursday, 17 March 2022 09:00 (20 minutes)

Presenter: SIEGMANN, Daniel (Max-Planck-Institut für Physik)

Session Classification: Sessions

Contribution ID: 24

Type: **not specified**

Column Density Determination for the KATRIN Neutrino Mass Measurement

Thursday, 17 March 2022 09:20 (20 minutes)

Presenter: KÖHLER, Christoph

Session Classification: Sessions

Contribution ID: 25

Type: **not specified**

Measurement of the drift time in a silicon drift detector for the KATRIN experiment by laser pulsing

Thursday, 17 March 2022 09:40 (20 minutes)

Presenter: URBAN, Korbinian

Session Classification: Sessions

Contribution ID: 26

Type: **not specified**

ComPol - A Compton polarimeter in a Nanosat

Thursday, 17 March 2022 10:00 (20 minutes)

Presenter: MEIER, Matthias

Session Classification: Sessions

Contribution ID: 27

Type: **not specified**

Status of the KATRIN neutrino mass analysis using Monte Carlo propagation and a novel neural network approach

Thursday, 17 March 2022 14:00 (20 minutes)

Presenter: SCHWEMMER, Alessandro

Session Classification: Sessions

Contribution ID: 28

Type: **not specified**

ASIC based readout electronics for high-purity Germanium detectors in LEGEND-1000

Thursday, 17 March 2022 14:20 (20 minutes)

Presenter: HENKES, Florian

Session Classification: Sessions

Contribution ID: 29

Type: **not specified**

A background study via simulations for the ComPol CubeSat experiment

Thursday, 17 March 2022 14:40 (20 minutes)

Presenter: GLAS, Cynthia

Session Classification: Sessions

Contribution ID: 30

Type: **not specified**

ComPol's way to space: preparing a CubeSat Compton Telescope for its in-orbit-verification (IOV) at the ISS

Thursday, 17 March 2022 15:00 (20 minutes)

Presenter: GEIGENBERGER, Katrin

Session Classification: Sessions

Contribution ID: 31

Type: **not specified**

Characterization of the performance of the MAGIC LIDAR

Thursday, 17 March 2022 16:00 (20 minutes)

Presenter: SCHMUCKERMAIER, Felix

Session Classification: Sessions

Contribution ID: 32

Type: **not specified**

Multi-messenger characterization of Mrk501 during historically low X-ray and gamma-ray activity

Thursday, 17 March 2022 16:20 (20 minutes)

Presenter: HECKMANN, Lea

Session Classification: Sessions

Contribution ID: 33

Type: **not specified**

Combined analysispipeline for joint observations with MAGIC and CTA LST-1

Thursday, 17 March 2022 16:40 (20 minutes)

Presenter: PIROLA, Giorgio

Session Classification: Sessions

Contribution ID: 34

Type: **not specified**

Studies of machine learning inspired clustering algorithms for jets

Thursday, 17 March 2022 17:00 (20 minutes)

Presenter: HILL, Siddha

Session Classification: Sessions