

DPG Rehearsals 2019

Report of Contributions

Contribution ID: 0

Type: **not specified**

Messung der Higgs–Gluon–Tensorkopplung in Zerfällen $H \rightarrow ZZ^* \rightarrow 4l$ mit dem ATLAS–Detektor

Presenter: SINNER, Maxim

Contribution ID: 1

Type: **not specified**

Messung der HZZ-Tensor-Kopplung in $pp \rightarrow H \rightarrow ZZ^* \rightarrow 4l$ -Zerfällen mit dem ATLAS-Detektor

Presenter: WALBRECHT, Verena

Contribution ID: 2

Type: **not specified**

Suche nach Supersymmetrie mit versetzten Leptonpaaren beim ATLAS-Experiment am LHC

Presenter: KRAUSS, Dominik

Contribution ID: 3

Type: **not specified**

Bau von small-diameter Muon Drift Tube (sMDT)-Kammern für das ATLAS-Myonspektrometer

Presenter: WALBRECHT, Verena

Contribution ID: 4

Type: **not specified**

Suche nach Dunkler Materie im Mono-Higgs-Kanal mit dem ATLAS-Detektor bei einer Schwerpunktenergie von 13 TeV

Presenter: RÖHRIG, Rainer

Contribution ID: 5

Type: **not specified**

Suche nach Dunkler Materie in Assoziation mit einem hadronisch zerfallenden W- oder Z-Boson mit den Run-2-Daten des ATLAS-Detektors

Presenter: GADOW, Philipp

Contribution ID: 6

Type: **not specified**

Optimierung der Suche nach dunklen Materie mit dem ATLAS-Detektor im Mono-V-Kanal

Presenter: TESHIMA, Makoto

Contribution ID: 7

Type: **not specified**

Identifizierung geboosteter $h \rightarrow b\bar{b}$ -Zerfälle mit dem ATLAS-Detektor

Presenter: MASCHEK, Stefan

Contribution ID: 8

Type: **not specified**

Sensitivity studies using multivariate techniques for the search for fully hadronic decays of top squarks with the ATLAS detector

Presenter: KÖHLER, Nicolas

Contribution ID: 9

Type: **not specified**

Measurement of the ATLAS muon reconstruction efficiency on 2016 data using $\gamma \rightarrow \mu\mu$ events

Presenter: JUNGGEBURTH, Johannes

Contribution ID: **10**

Type: **not specified**

High rate studies of the ATLAS MDT chambers in LHC Run-2

Presenter: KÖHLER, Nicolas

Contribution ID: **11**

Type: **not specified**

Optimization of the ATLAS (s)MDT readout electronics for high counting rates

Presenter: SCHMIDT-SOMMERFELD, Korbinian

Contribution ID: 12

Type: **not specified**

Study on the performance of thin-gap RPCs for the ATLAS muon spectrometer upgrade

Presenter: BRUCE, Catriona

Contribution ID: 13

Type: **not specified**

Search for heavy VH resonances with the ATLAS detector in the final state with boosted $h \rightarrow b\bar{b}$ decays

Presenter: HÖNLE, Andreas

Contribution ID: 14

Type: **not specified**

Study of a search for stau pair production with the ATLAS experiment at the LHC

Presenter: SELLE, Patrick

Contribution ID: 15

Type: **not specified**

Search for R-parity violating Supersymmetry in final states with four-leptons with the ATLAS experiment

Presenter: JUNGGEBURTH, Johannes

Contribution ID: 16

Type: **not specified**

Search for supersymmetry in multileptonic final states with collimated $\tilde{\chi}$ pairs with the ATLAS detector

Presenter: RENDEL, Marian

Contribution ID: 17

Type: **not specified**

Determination of $\alpha_s(M_Z)$ from energy-energy correlations in electron positron annihilation with combination of NNLO perturbative calculations and nonperturbative corrections from Monte Carlo models

Presenter: VERBYTSKYI, Andrii

Contribution ID: **18**

Type: **not specified**

Canceled: Data-driven background estimation and application of machine-learning techniques to the search for direct stau-pair production with the ATLAS detector

Presenter: JUNGGEBURTH, Johannes

Contribution ID: **19**

Type: **not specified**

Investigation of PEN as structural self vetoing material for cryogenic low background experiments

Presenter: FISCHER, Felix

Contribution ID: 20

Type: **not specified**

PEN as a Scintillator, Characterisation of Light Output Properties

Presenter: KRAETZSCHMAR, Thomas

Contribution ID: 21

Type: **not specified**

Possibilities and challenges of Very-Large Zenith-Angle Observations with MAGIC

Presenter: VAN SCHERPENBERG, Juliane

Contribution ID: 22

Type: **not specified**

Variability study of the Crab Pulsar above few tens of GeV with MAGIC

Presenter: CERIBELLA, Giovanni

Contribution ID: 23

Type: **not specified**

Prototyping of SiPM based detector modules in the MAGIC telescopes

Presenter: HAHN, Alexander

Contribution ID: 24

Type: **not specified**

New Features in pySecDec

Presenter: JAHN, Stephan

Contribution ID: 25

Type: **not specified**

Higgs boson pair production in the Electroweak Chiral Lagrangian framework

Presenter: CAPOZI, Matteo

Contribution ID: 26

Type: **not specified**

Demonstrating Electromagnetic Properties of a MADMAX prototype booster

Presenter: EGGE, Jacob

Contribution ID: 27

Type: **not specified**

The MAgnetized Disk and Mirror Axion dark matter eXperiment (MADMAX)

Presenter: KNIRCK, Stefan

Contribution ID: 28

Type: **not specified**

Understanding Pulse Shape Discrimination in Germanium Detectors: Diffusion Effects

Presenter: SCHWEISSHELM, Barbara

Contribution ID: 29

Type: **not specified**

Temperaturabhängigkeit des Ladungsträgertransports in Germaniumdetektoren

Presenter: SCHUSTER, Martin

Contribution ID: **30**

Type: **not specified**

Oberflächencharakterisierung von Germaniumdetektoren mit α -Teilchen

Presenter: HAUERTMANN, Lukas

Contribution ID: 31

Type: **not specified**

Das Minidex-Experiment zur Vermessung Myonen-induzierter Neutronen

Presenter: KNEISSL, Raphael

Contribution ID: 32

Type: **not specified**

Performance study of a novel time-dependent CP analysis of $B \rightarrow \pi^0 \pi^0$ and projected sensitivity to the unitarity angle ϕ_2/α at Belle II

Presenter: ABUDINEN, Fernando

Contribution ID: 33

Type: **not specified**

Hadronic energy reconstruction in the CALICE combined calorimeter

Presenter: ISRAELI, Yasmine

Contribution ID: 34

Type: **not specified**

Time Measurements with the CALICE Analog Hadronic Calorimeter

Presenter: GRAF, Christian

Contribution ID: 35

Type: **not specified**

Simulation and Hardware Studies on a Highly Granular Electromagnetic Calorimeter for the DUNE Near Detector

Presenter: EMBERGER, Lorenz

Contribution ID: 36

Type: **not specified**

Background Suppression with the Belle II Neural Network Trigger

Presenter: SKAMBRAKS, Sebastian

Contribution ID: 37

Type: **not specified**

Characterization of main production modules of the Pixel Vertex Detector for Belle II

Presenter: LEITL, Philipp

Contribution ID: 38

Type: **not specified**

Test of new ASD chips for the Phase-2 upgrade of the ATLAS Muon Spectrometer for HL-LHC at high gamma counting rates

Thursday, 14 March 2019 09:00 (20 minutes)

Presenter: BRUCE, Catriona

Session Classification: Session 1

Contribution ID: 39

Type: **not specified**

Commissioning of the BIS 78 sMDT chambers for the upgrade of the ATLAS muon spectrometer

Thursday, 14 March 2019 09:20 (20 minutes)

Presenter: HADZIC, Sejla

Session Classification: Session 1

Contribution ID: 40

Type: **not specified**

Optimisation of the ATLAS (s)MDT readout electronics for high counting rates

Thursday, 14 March 2019 09:40 (20 minutes)

Presenter: SCHMIDT-SOMMERFELD, Korbinian

Session Classification: Session 1

Contribution ID: 41

Type: **not specified**

Performannce of the ATLAS_Myonspektrometer in Rin-2 of the LHC

Thursday, 14 March 2019 10:00 (20 minutes)

Presenter: JUNGGEBURTH, Johannes

Session Classification: Session 1

Contribution ID: 42

Type: **not specified**

Bau von small-diameter Monitored Drift Tube (sMDT)_Kammern fuer das ATLAS-Myonspektrometer

Thursday, 14 March 2019 11:00 (20 minutes)

Presenter: RENDEL, Marian

Session Classification: Session 2

Contribution ID: 43

Type: **not specified**

Vermessung von small-diameter Monitored Drift Tube (sMDT)-Kammern fuer das ATLAS-Myonspektrometer

Thursday, 14 March 2019 11:20 (20 minutes)

Presenter: RENDEL, Marian

Session Classification: Session 2

Contribution ID: 44

Type: **not specified**

Messung der HZZ-Tensorkopplung in $H \rightarrow ZZ^* \rightarrow 4l$ Zerfaellen mit dem ATLAS-Detektor

Thursday, 14 March 2019 11:40 (20 minutes)

Presenter: WALBRECHT, Verena

Session Classification: Session 2

Contribution ID: 45

Type: **not specified**

Suche nach Dunkler Materie im Mono-Higgs-Kanal mit dem ATLAS-Detektor bei einer Schwerpunktsenergie von 13 TeV

Thursday, 14 March 2019 12:00 (20 minutes)

Presenter: RÖHRIG, Rainer

Session Classification: Session 2

Contribution ID: 46

Type: **not specified**

Suche nach Dunkler Materie in Assoziation mit einem in zwei b-Quarks zerfallenden Higgs-Boson mit den Run-2-Daten des ATLAS-Detektors

Thursday, 14 March 2019 12:20 (20 minutes)

Presenter: GADOW, Philipp

Session Classification: Session 2

Contribution ID: 47

Type: **not specified**

Suche nach Dunkler Materie in Mono-Jetereignissen mit dem ATLAS-Experiment

Thursday, 14 March 2019 14:00 (20 minutes)

Presenter: TESHIMA, Makoto

Session Classification: Session 3

Contribution ID: 48

Type: **not specified**

Identifizierung geboosteter H $\rightarrow$ bb Zerfalle mit dem ATLAS-Detektor

Thursday, 14 March 2019 14:20 (20 minutes)

Presenter: MASCHEK, Stefan

Session Classification: Session 3

Contribution ID: 49

Type: **not specified**

Suche nach Supersymmetrie mit versetzten Leptonpaarzerfaellen mit dem ATLAS-Experiment am LHC

Thursday, 14 March 2019 14:40 (20 minutes)

Presenter: KRAUSS, Dominik

Session Classification: Session 3

Contribution ID: 50

Type: **not specified**

Search for heavy VH resonances with the ATLAS detector in the final state with boosted

Thursday, 14 March 2019 16:00 (20 minutes)

Presenter: HÖNLE, Andreas

Session Classification: Session 4

Contribution ID: 51

Type: **not specified**

Fake background estimation for the search for supersymmetry in multileptonic final states with the ATLAS detector

Thursday, 14 March 2019 16:40 (20 minutes)

Presenter: RENDEL, Marian

Session Classification: Session 4

Contribution ID: 52

Type: **not specified**

Searches for stau production with the ATLAS experiment

Thursday, 14 March 2019 17:00 (20 minutes)

Presenter: JUNGGEBURTH, Johannes

Session Classification: Session 4

Contribution ID: 53

Type: **not specified**

Search for stau pair production in proton-proton collisions at the LHC with the ATLAS detector

Thursday, 14 March 2019 17:20 (20 minutes)

Presenter: SELLE, Patrick

Session Classification: Session 4

Contribution ID: 54

Type: **not specified**

Eine neue 3D Simulations Software von Solid-State-Detektoren

Thursday, 14 March 2019 15:00 (20 minutes)

Presenter: HAUERTMANN, Lukas

Session Classification: Session 3

Contribution ID: 55

Type: **not specified**

Erster Vergleich von Oberflächen Events eines Germaniumdetektors mit einer neuen 3D Simulationssoftware

Thursday, 14 March 2019 15:20 (20 minutes)

Presenter: SCHUSTER, Martin

Session Classification: Session 3

Contribution ID: 56

Type: **not specified**

A study of anomalous couplings and NLO effects in Higgs+Jet production

Friday, 15 March 2019 16:20 (20 minutes)

Presenter: CAPOZI, Matteo

Session Classification: Session 8

Contribution ID: 57

Type: **not specified**

Analysis of surface events in GERDA detectors with deep learning algorithms

Friday, 15 March 2019 11:00 (20 minutes)

Presenter: KICSINY, Peter

Session Classification: Session 6

Contribution ID: 58

Type: **not specified**

Multivariate classification of charged particle tracks for an improved b -tagging performance with the ATLAS detector

Thursday, 14 March 2019 16:20 (20 minutes)

Presenter: KLINKE, Maximilian

Session Classification: Session 4

Contribution ID: 59

Type: **not specified**

Optimization procedure of the PXD modules for Phase 3

Friday, 15 March 2019 11:20 (20 minutes)

Presenter: REIF, Markus

Session Classification: Session 6

Contribution ID: 60

Type: **not specified**

Cancelled: First Level Neural Network z-Trigger Optimization and implementation in the Drift Chamber of the Belle II Experiment

Friday, 15 March 2019 11:40 (20 minutes)

Presenter: MCCARNEY, Sara

Session Classification: Session 6

Contribution ID: 61

Type: **not specified**

Determination of the resolution function of the B^0 anti- B^0 decay time difference

Friday, 15 March 2019 14:00 (20 minutes)

Presenter: PARLAGASHVILI, Ketevan

Session Classification: Session 7

Contribution ID: 62

Type: **not specified**

Cancelled: CLAWS: Monitoring Injection Backgrounds at SuperKEKB

Friday, 15 March 2019 15:00 (20 minutes)

Presenter: WINDEL, Hendrik

Session Classification: Session 7

Contribution ID: **63**

Type: **not specified**

Insights into the spin-exotic $\pi_1(1600)$ meson

Friday, 15 March 2019 14:20 (20 minutes)

Presenter: KRINNER, Fabian

Session Classification: Session 7

Contribution ID: 64

Type: **not specified**

Cancelled: Data Quality Monitoring for the Neural Network z-Trigger in the Drift Chamber at the Belle-II Experiment

Friday, 15 March 2019 15:20 (20 minutes)

Presenter: MEGGENDORFER, Felix

Session Classification: Session 7

Contribution ID: 65

Type: **not specified**

Production tests and commissioning of the Pixel Vertex Detector for Belle II

Friday, 15 March 2019 14:40 (20 minutes)

Presenter: LEITL, Philipp

Session Classification: Session 7

Contribution ID: **66**

Type: **not specified**

Probing the cosmic-ray $e^{+/-}$ spectrum at TeV energies with MAGIC

Friday, 15 March 2019 15:00 (20 minutes)

Presenter: CHAI, Yating

Session Classification: Session 8

Contribution ID: 67

Type: **not specified**

Very Large Zenith Angle observations with MAGIC

Friday, 15 March 2019 15:20 (20 minutes)

Presenter: VAN SCHERPENBERG, Juliane

Session Classification: Session 8

Contribution ID: **68**

Type: **not specified**

Study of pulsars at VHE with the SumTrigger system

Friday, 15 March 2019 15:40 (20 minutes)

Presenter: CERIBELLA, Giovanni

Session Classification: Session 8

Contribution ID: 69

Type: **not specified**

Large-Size Composite SiPM Pixel Tests in the Imaging Camera of the MAGIC IACT

Friday, 15 March 2019 16:00 (20 minutes)

Presenter: HAHN, Alexander

Session Classification: Session 8