

DPG Rehearsals 2018

Report of Contributions

Contribution ID: 0

Type: **not specified**

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

Wednesday, 14 March 2018 09:00 (20 minutes)

Presenter: RÖHRIG, Rainer

Session Classification: Session 1

Contribution ID: 1

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

Wednesday, 14 March 2018 09:20 (20 minutes)

Presenter: GADOW, Philipp

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

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

Wednesday, 14 March 2018 09:40 (20 minutes)

Presenter: TESHIMA, Makoto

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

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

Wednesday, 14 March 2018 10:00 (20 minutes)

Presenter: MASCHEK, Stefan

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

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

Wednesday, 14 March 2018 10:40 (20 minutes)

Presenter: SINNER, Maxim

Session Classification: Session 2

Contribution ID: 5

Type: **not specified**

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

Wednesday, 14 March 2018 11:00 (20 minutes)

Presenter: WALBRECHT, Verena

Session Classification: Session 2

Contribution ID: 6

Type: **not specified**

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

Wednesday, 14 March 2018 11:20 (20 minutes)

Presenter: KRAUSS, Dominik

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

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

Wednesday, 14 March 2018 11:40 (20 minutes)

Presenter: WALBRECHT, Verena

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

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

Wednesday, 14 March 2018 13:00 (20 minutes)

Presenter: HÖNLE, Andreas

Session Classification: Session 3

Contribution ID: 9

Type: **not specified**

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

Wednesday, 14 March 2018 13:20 (20 minutes)

Presenter: SELLE, Patrick

Session Classification: Session 3

Contribution ID: 10

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

Wednesday, 14 March 2018 14:40 (20 minutes)

Presenter: JUNGGEBURTH, Johannes

Session Classification: Session 3

Contribution ID: **11**

Type: **not specified**

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

Wednesday, 14 March 2018 13:40 (20 minutes)

Presenter: JUNGGEBURTH, Johannes

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

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

Wednesday, 14 March 2018 14:00 (20 minutes)

Presenter: RENDEL, Marian

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

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

Wednesday, 14 March 2018 15:20 (20 minutes)

Presenter: KÖHLER, Nicolas

Session Classification: Session 4

Contribution ID: 14

Type: **not specified**

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

Wednesday, 14 March 2018 15:40 (20 minutes)

Presenter: JUNGGEBURTH, Johannes

Session Classification: Session 4

Contribution ID: 15

Type: **not specified**

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

Wednesday, 14 March 2018 16:00 (20 minutes)

Presenter: KÖHLER, Nicolas

Session Classification: Session 4

Contribution ID: **16**

Type: **not specified**

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

Wednesday, 14 March 2018 16:20 (20 minutes)

Presenter: SCHMIDT-SOMMERFELD, Korbinian

Session Classification: Session 4

Contribution ID: 17

Type: **not specified**

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

Wednesday, 14 March 2018 16:40 (20 minutes)

Presenter: BRUCE, Catriona

Session Classification: Session 4

Contribution ID: **18**

Type: **not specified**

New Features in pySecDec

Thursday, 15 March 2018 09:00 (20 minutes)

Presenter: JAHN, Stephan

Session Classification: Session 5

Contribution ID: **19**

Type: **not specified**

Higgs boson pair production in the Electroweak Chiral Lagrangian framework

Thursday, 15 March 2018 09:20 (20 minutes)

Presenter: CAPOZI, Matteo

Session Classification: Session 5

Contribution ID: 20

Type: **not specified**

Hadronic energy reconstruction in the CALICE combined calorimeter

Thursday, 15 March 2018 14:00 (20 minutes)

Presenter: ISRAELI, Yasmine

Session Classification: Session 7

Contribution ID: 21

Type: **not specified**

Time Measurements with the CALICE Analog Hadronic Calorimeter

Thursday, 15 March 2018 14:20 (20 minutes)

Presenter: GRAF, Christian

Session Classification: Session 7

Contribution ID: 22

Type: **not specified**

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

Thursday, 15 March 2018 14:40 (20 minutes)

Presenter: EMBERGER, Lorenz

Session Classification: Session 7

Contribution ID: 23

Type: **not specified**

Temperaturabhängigkeit des Ladungsträgertransports in Germaniumdetektoren

Thursday, 15 March 2018 16:00 (20 minutes)

Presenter: SCHUSTER, Martin

Session Classification: Session 8

Contribution ID: 24

Type: **not specified**

Oberflächencharakterisierung von Germaniumdetektoren mit α -Teilchen

Thursday, 15 March 2018 16:20 (20 minutes)

Presenter: HAUERTMANN, Lukas

Session Classification: Session 8

Contribution ID: 25

Type: **not specified**

Demonstrating Electromagnetic Properties of a MADMAX prototype booster

Thursday, 15 March 2018 09:40 (20 minutes)

Presenter: EGGE, Jacob

Session Classification: Session 5

Contribution ID: 26

Type: **not specified**

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

Thursday, 15 March 2018 11:00 (20 minutes)

Presenter: FISCHER, Felix

Session Classification: Session 6

Contribution ID: 27

Type: **not specified**

PEN as a Scintillator, Characterisation of Light Output Properties

Thursday, 15 March 2018 11:20 (20 minutes)

Presenter: KRAETZSCHMAR, Thomas

Session Classification: Session 6

Contribution ID: 28

Type: **not specified**

Understanding Pulse Shape Discrimination in Germanium Detectors: Diffusion Effects

Thursday, 15 March 2018 10:30 (20 minutes)

Presenter: SCHWEISSHELM, Barbara

Session Classification: Session 5

Contribution ID: 29

Type: **not specified**

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

Thursday, 15 March 2018 10:00 (30 minutes)

Presenter: KNIRCK, Stefan

Session Classification: Session 5

Contribution ID: 31

Type: **not specified**

Das Minidex-Experiment zur Vermessung Myonen-induzierter Neutronen

Thursday, 15 March 2018 16:40 (20 minutes)

Presenter: KNEISSL, Raphael

Session Classification: Session 8

Contribution ID: 32

Type: **not specified**

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

Thursday, 15 March 2018 11:40 (20 minutes)

Presenter: VAN SCHERPENBERG, Juliane

Session Classification: Session 6

Contribution ID: 33

Type: **not specified**

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

Thursday, 15 March 2018 12:00 (20 minutes)

Presenter: CERIBELLA, Giovanni

Session Classification: Session 6

Contribution ID: 34

Type: **not specified**

Prototyping of SiPM based detector modules in the MAGIC telescopes

Thursday, 15 March 2018 12:20 (20 minutes)

Presenter: HAHN, Alexander

Session Classification: Session 6

Contribution ID: 35

Type: **not specified**

Background Suppression with the Belle II Neural Network Trigger

Thursday, 15 March 2018 15:00 (20 minutes)

Presenter: SKAMBRAKS, Sebastian

Session Classification: Session 7

Contribution ID: 36

Type: **not specified**

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

Thursday, 15 March 2018 15:20 (20 minutes)

Presenter: LEITL, Philipp

Session Classification: Session 7

Contribution ID: 37

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

Thursday, 15 March 2018 17:00 (20 minutes)

Presenter: ABUDINEN, Fernando

Session Classification: Session 8

Contribution ID: 38

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

Wednesday, 14 March 2018 14:20 (20 minutes)

Presenter: VERBYTSKYI, Andrii

Session Classification: Session 3