

MPP DPG Rehearsals 2022

Wednesday, 16 March 2022

Sessions: Session 1 - Zoom (09:00 - 10:40)

-Conveners: Michael Holzbock

time	[id] title	presenter
09:00	[1] The LHC as Lepton–Proton Collider: Searches for Resonant Production of Leptoquarks	BUCHIN, Daniel
09:20	[2] Search for charged Higgs bosons in $H^+ \rightarrow W h \rightarrow \nu \bar{\nu}$ decays with the ATLAS detector	GREWE, Simon
09:40	[3] Identification of highly boosted $Z \rightarrow e e$ decays with the ATLAS detector	KIWIT, Florian
10:00	[4] Effective Field Theory interpretation of the $p p \rightarrow H \rightarrow 4l$ Higgs boson decay measurements with the ATLAS detector	REED, Alice
10:20	[5] Search for Electroweak Production of Sleptons in Di-Lepton Final States with the ATLAS Detector	RENDEL, Marian

Sessions: Session 2 - Zoom (11:00 - 12:30)

-Conveners: Dominik Duda

time	[id] title	presenter
11:00	[6] Quality Control in the Construction of new small-diameter Muon Drift Tube (sMDT) Chambers for the ATLAS Muon Spectrometer at the HL-LHC	BUCHIN, Daniel
11:20	[7] Geometry measurement of the new small-diameter Monitored Drift Tube (sMDT) chambers constructed for the HL-LHC upgrade of the ATLAS Muon Spectrometer	REED, Alice
11:40	[12] Construction of new small-diameter Monitored Drift Tube (sMDT) chambers for the HL-LHC upgrade of the ATLAS Muonspectrometer	RENDEL, Marian
12:00	[13] Fabrication of Resistive Plate Chambers	TURKOVIC, Timur

Sessions: Session 3 - Zoom (14:00 - 15:30)

-Conveners: Martin Schuster

time	[id] title	presenter
14:00	[8] Voltage scans on germanium detectors	HAGEMANN, Felix
14:20	[9] Low-background poly(ethylene naphthalate) as active structural material for the LEGEND-200 $0 \nu \beta \beta$ experiment	FISCHER, Felix
14:40	[10] Investigation of unit cell configuration for the booster section of MADMAX	SHEMBARI, Lolian
15:00	[11] Non parametric background models for axion haloscopes	DIEHL, Johannes

Sessions: Session 4 - Zoom (16:00 - 17:30)

-Conveners: Alessio Berti

time	[id] title	presenter
16:00	[14] Performance of Belle II's Level 1 Single Track Trigger	MEGGENDORFER, Felix
16:20	[15] Belle II results on charmless hadronic B-decays and prospects	SKORUPA, Justin
16:40	[20] Operation of low threshold cryogenic calorimeters in a dry dilution refrigerator in the COSINUS experiment	KELLERMANN, Moritz
17:00	[21] remoTES sensors: Development of a novel detector design for NaI cryogenic calorimeters for the COSINUS dark matter experiment	RAGHUNATH BHARADWAJ, Mukund

Thursday, 17 March 2022

Sessions: Session 5 - Zoom (09:00 - 10:30)

-Conveners: Frank Edzards

time	[id] title	presenter
09:00	[23] Assembly and tests of the first TRISTAN detector modules	SIEGMANN, Daniel
09:20	[24] Column Density Determination for the KATRIN Neutrino Mass Measurement	KÖHLER, Christoph
09:40	[25] Measurement of the drift time in a silicon drift detector for the KATRIN experiment by laser pulsing	URBAN, Korbinian
10:00	[26] ComPol - A Compton polarimeter in a Nanosat	MEIER, Matthias

Sessions: Session 6 - Zoom (11:00 - 12:30)

-Conveners: Davide Cieri

time	[id] title	presenter
11:00	[16] Particle Identification and Reconstruction with the DUNE ND-GAr Near Detector	EMBERGER, Lorenz
11:20	[17] Exploring the intrinsic Time Resolution of the SiPM-on-Tile Technology	HUMMER, Fabian
11:40	[18] Commissioning and Results of a Scintillator Based Beam Abort and Machine Protection System at SuperKEKB	POPOV, Ivan
12:00	[19] First Results and Prospects for $\tau \rightarrow e + \alpha$ at Belle II	KRÄTZSCHMAR, Thomas

Sessions: Session 7 - Zoom (14:00 - 15:30)

-Conveners: Axel Arbet-Engels

time	[id] title	presenter
14:00	[27] Status of the KATRIN neutrino mass analysis using Monte Carlo propagation and a novel neural network approach	SCHWEMMER, Alessandro
14:20	[28] ASIC based readout electronics for high-purity Germanium detectors in LEGEND-1000	HENKES, Florian
14:40	[29] A background study via simulations for the ComPol CubeSat experiment	GLAS, Cynthia
15:00	[30] ComPol's way to space: preparing a CubeSat Compton Telescope for its in-orbit-verification (IOV) at the ISS	GEIGENBERGER, Katrin

Sessions: Session 8 - Zoom (16:00 - 17:30)

-Conveners: Martin Will

time	[id] title	presenter
16:00	[31] Characterization of the performance of the MAGIC LIDAR	SCHMUCKERMAIER, Felix
16:20	[32] Multi-messenger characterization of Mrk501 during historically low X-ray and gamma-ray activity	HECKMANN, Lea
16:40	[33] Combined analysis pipeline for joint observations with MAGIC and CTA LST-1	PIROLA, Giorgio

17:00	[34] Studies of machine learning inspired clustering algorithms for jets	HILL, Siddha
-------	--	--------------