



# MPP DPG Rehearsals 2023

## Tuesday, 14 March 2023

### Session: 1 - Main/0-174 - Auditorium (09:00 - 10:30)

-Conveners: Dagmar Kreikemeyer

time	[id] title	presenter
09:00	[18] Understanding the RF response of the MADMAX experiment	MALDONADO, Juan
09:20	[23] Particle identification at Belle II using Neural Networks	SIMÓ, Xavier
09:40	[24] Belle II measurement of $B^+ \rightarrow K^+ \pi^0$ and $B^+ \rightarrow \pi^+ \pi^0$	SKORUPA, Justin

### Session: 2 - Main/0-174 - Auditorium (11:00 - 12:30)

-Conveners: Seiya Nozaki

time	[id] title	presenter
11:00	[22] What we can learn from blazar light curves	HECKMANN, Lea
11:20	[20] Towards an automatic mode of operation of the MAM subsystem of MAGIC	BAUTISTA SIERRA, Angela Yulieth
11:40	[28] Evidence of hadronic origin of the gamma-ray emission from the nova RS Oph by the MAGIC telescopes	HECKMANN, Lea

### Session: 3 - Main/0-174 - Auditorium (14:00 - 15:30)

-Conveners: Giovanni Pelliccioli

time	[id] title	presenter
14:00	[26] Measurement of the 1-jettiness event shape observable in DIS	HESSLER, Johannes
14:20	[25] Differential cross-section measurements of an hadronically decaying top-quark-antitop-quark pair produced in association with two b-jets with the ATLAS detector at $\sqrt{s}=13$ TeV	WENKE, Nina
14:40	[27] Measurement of differential cross sections in the process $pp \rightarrow W+W-bb$	HESSLER, Johannes

# Wednesday, 15 March 2023

## Session: 4 - Main/0-174 - Auditorium (09:00 - 10:30)

-Conveners: Daniel Britzger

time	[id] title	presenter
09:00	[1] Study of the muon detection efficiency of thin-gap RPCs	BANGARU, Nayana
09:20	[2] Production and Testing of Resistive Plate Chambers	TURKOVIC, Timur
09:40	[3] Certification of sMDT chambers for the phase II upgrade of the ATLAS muon spectrometer	MEIER, Nick
10:00	[4] Construction of new small-diameter Muon Drift Tube (sMDT) chambers for the HL-LHC upgrade of the ATLAS muon spectrometer	REED, Alice

## Session: 5 - Main/0-174 - Auditorium (11:00 - 12:30)

-Conveners: Michael Holzbock

time	[id] title	presenter
11:00	[5] 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	[6] Higgs boson cross section measurement in the $\$H \to ZZ \to 4\ell\$$ channel with early Run 3 ATLAS data	REED, Alice
11:40	[7] Search for charged Higgs bosons in $\$H^+ \to W^+ h\$$ decays with the ATLAS detector	GREWE, Simon
12:00	[8] The LHC as lepton-proton collider: Searches for resonant production of leptoquarks	BUCHIN, Daniel

## Session: 6 - Main/0-174 - Auditorium (14:00 - 15:30)

-Conveners: Martin Stahlberg

time	[id] title	presenter
14:00	[9] Compton imaging of undepleted regions of germanium detectors	HAGEMANN, Felix
14:20	[10] Axion-Photon Coupling Distributions for Non-Minimal DFSZ-type Axion Models	DIEHL, Johannes
14:40	[11] Investigating the blazar-neutrino connection with public IceCube data	KUHLMANN, Julian
15:00	[12] A low-threshold diamond cryogenic detector for sub-GeV Dark Matter searches	BERTOLINI, Anna

## Session: 7 - Main/0-174 - Auditorium (16:00 - 17:30)

-Conveners: Martin Will

time	[id] title	presenter
16:00	[13] Vibration decoupling in the COSINUS underground facility	KELLERMANN, Moritz
16:20	[14] Magnetic shielding tests for the COSINUS experiment	HUGHES, Maximilian
16:40	[15] Optimization of the remoTES desing using silicon absorbers	SHERA, Kumrie

17:00	[16] Quenching Factor measurements with COSINUS NaI crystals	Mr RAGHUNATH BHARADWAJ, Mukund
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