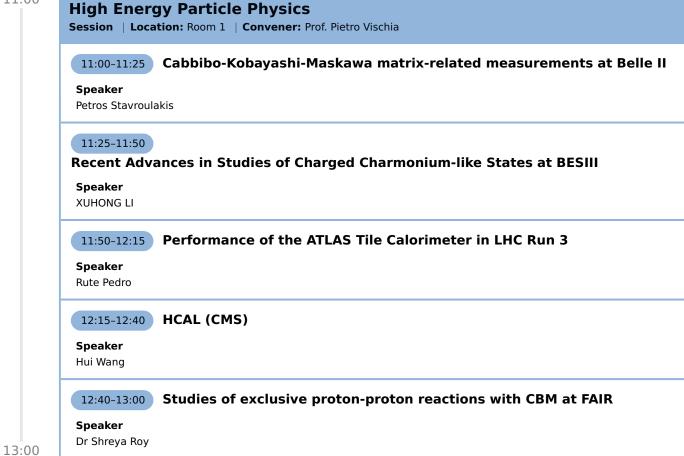


Thursday 17 July



Friday 18 July

09:00

High Energy Particle Physics

Session | Location: Room 1 | Convener: Prof. Greg Landsberg

09:00-09:30

Machine Learning Optimized Design of Experiments at the frontiers of computation: methods and new perspectives

Speaker

Prof. Pietro Vischia

09:30-10:00

On Final Results From the Muon \$g\textrm{-}2\$ Experiment at Fermilab

Speaker

Eremey Vladimirovich Valetov

10:00 11:25

High Energy Particle Physics

Session | Location: Room 1 | Convener: Dr Eremey Vladimirovich Valetov

11:25-11:50 B Physics Results from CMS

Speaker

Greg Landsberg

11:50-12:15 Top-quark production cross sections at higher perturbative orders

Speaker

Prof. Nikolaos Kidonakis

12:15-12:40 Searches for Exotica (CMS)

Speaker

Maria Kotsarini

12:40-13:05 First-forbidden non-unique beta decay of \$^{113m}\$Cd

Speaker

Prof. Vincenzo Caracciolo

13:05 17:00

High Energy Particle Physics

Session | Location: Room 2 | Convener: Dr Shreya Roy

17:00-17:25

Photoproduction of quarkonia-photon pairs in the Color Glass Condensate framework

Speaker

Marat Siddikov

17:25-17:50 Kaon-nucleon strong interaction in exotic atoms

Speaker

Dr Mihail Antoniu Iliescu

17:50-18:15

Advancing Noble Liquid Calorimetry: The ALLEGRO ECAL Concept for FCC-ee

Speaker

Martina Maria Koppitz

18:15-18:40

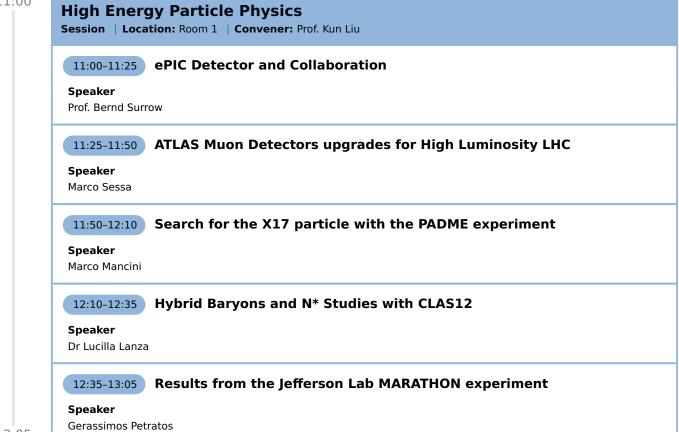
Probing Lorentz Invariance Violation in Z Boson Mass Measurements at High-Energy Colliders

Speaker

Dr Zurab Kepuladze

Monday 21 July

11:00



Tuesday 22 July

09:00 **High Energy Particle Physics Session** | **Location:** Room 1 | **Convener:** Dr Rute Pedro 09:00-09:30 ATLAS highlights Speaker Kun Liu 09:30-10:00 CMS upgrades Speaker Marcello Abbrescia 10:00 12:15 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Prof. Daniela Kirilova Improving ICARUS track reconstruction algorithms 12:15-12:35 Speaker Alessandro Maria Ricci 12:35-13:00 Overview of the trigger and DAQ systems in CMS **Speaker** Daniele Trocino 13:00 17:00 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Prof. Michael Eides 17:00-17:25 Upgrade of the CMS Electromagnetic Calorimeter for HL-LHC Speaker Federica De Riggi 17:25-17:50 The Belle II Upgrade Program Speaker Ezio Torassa 17:50-18:15 Probing neutral triple gauge couplings via Z(II)gamma productions with Future Lepton Collider detector simulation and with LHC-ATLAS data Speaker Danning Liu 18:15

Wednesday 23 July

09:30 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Dr David Kapukchyan 09:30-10:00 Recent calculation of the magnetic moment of the muon Speaker Zoltan Fodor 10:00 11:30 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Prof. Roberto Rossin 11:30-12:00 Energy-momenutm trace and Hamiltonian decomposition **Speaker** Prof. Michael Eides 12:00-12:30 Searches for Beyond the Standard Model Particles Decaying to Top Quarks, Higgs Bosons, and Gauge Bosons with CMS Speaker Haifa Rejeb Sfar 12:30-13:00 Searches for new phenomena beyond the Standard Model using the ATLAS detector Speaker Andrea Pareti 13:00 17:00 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Prof. Francesco Loparco 17:00-17:25 Current Status of the LHCf Experiment and Future Prospects with Proton-Oxygen **Collisions Speaker** Elena Gensini 17:25-17:50 Precision Timing with the CMS MIP Timing Detector for High-Luminosity LHC **Speaker** Prof. Roberto Rossin 17:50 17:50 **High Energy Particle Physics** Session | Location: Room 3 | Convener: Dr Tamas Novak

Universal Fake Factor method to estimate hadronic tau backgrounds in ATLAS

17:50-18:15

Speaker
Gabriela Martinovicova

18:15-18:40
From ENUBET to nuSCOPE: a monitored and tagged neutrino beam for high precision cross section measurements

Speaker
Leon Halic

High Energy Particle Physics
Session | Location: Room 2 | Convener: Prof. Tommaso Dorigo

18:40-19:05 Charmonium Decays at BESIII
Speaker

Peilian Liu

19:05

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Thursday 24 July

11:50

High Energy Particle Physics

Session | Location: Room 1 | Convener: Dr Andrea Pareti

11:50-12:15 Muon Detector (CMS)

Speaker

Ilaria Vai

12:15-12:40

Performance of the ATLAS Muon Spectrometer Detectors during Run3 data taking

Speakers

Arisa Wada, Arisa Wada

12:40-13:05

On the determination of the relative probability of $\mathcal B^{(*)}_s\$ \rightarrow $\mathcal B^{(*)}_s\$ decays.

Speaker

Mikhail Vysotsky

13:05 17:00

High Energy Particle Physics

Session | Location: Room 1 | Convener: Prof. Mathew Muether

17:00-17:30 Recent results on EW physics at LHCb

Speaker

Menglin Xu

17:30-17:55

New measurement of $K^{+} \subset \phi^{+} \in \mathbb{R}^{+}$ branching ratio at the NA62 experiment

Speaker

Ilaria Panichi

17:55-18:20 Highlights from the PHENIX Spin Program

Speaker

Ross Corliss

18:20-18:45 Quarkonium production at RHIC

Speaker

Jaroslav Bielcik

Friday 25 July

11:00

11:25

High Energy Particle Physics

Session | Location: Room 1 | Convener: Prof. Jaroslav Bielcik

11:00-11:25

Latest Results from the ICARUS Experiment at the Short-Baseline Neutrino Program

Speaker

Alessandro Maria Ricci

Monday 28 July

09:30 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Prof. Mario Merola 09:30-10:00 CMS Highlights Speaker Chen Zhou 10:00-10:30 LHCb overview Speaker Prof. Yanxi Zhang 10:30 11:25 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Prof. Yanxi Zhang 11:25-11:55 Recent progress on charmed meson decays at BESIII Speaker Xu Yingchao 11:55-12:25 Recent highlights from Belle and Belle II **Speaker** Mario Merola 12:25-12:55 Recent results on CP violation in baryon decays at LHCb Speaker Tianze Rong 12:55 17:00 High Energy Particle Physics Session | Location: Room 1 | Convener: Dr Feng Gao 17:00-17:25 **Phase-2 Upgrade of the ATLAS Inner Tracker** Speaker Marianna Testa **Upgrade of the ATLAS Tile Calorimeter for High-Luminosity LHC** 17:25-17:50 Speaker Arya Aikot 17:50 17:50 **High Energy Particle Physics** Session | Location: Room 3 | Convener: Prof. Laura Fabbri 17:50-18:15 Multi-Peripheral Models as a Fingerprint for High-Energy Physics Speaker Mr Dario Vaccaro 18:15

18:15

High Energy Particle Physics

Session | Location: Room 2 | Convener: Prof. Sonia Kabana

18:15-18:40

Higher-order QED radiative corrections in HEP: the status and prospects

Speaker

18:40 Andrej Arbuzov

Tuesday 29 July

09:30 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Dr Giacomo Ortona 09:30-10:00 Highlights on top quark physics with the ATLAS experiment at the LHC Barbora Eckerova 10:00 12:00 **High Energy Particle Physics** Session | Location: Room 1 | Convener: Prof. Laszlo Pal Csernai 12:00-12:30 CMS Higgs Results Speaker Dr Giacomo Ortona 12:30-13:00 Highlights on Higgs physics with ATLAS Speaker Stylianos Angelidakis 13:00 17:20 **High Energy Particle Physics** Session | Location: Room 2 | Convener: Dr Stylianos Angelidakis 17:20-17:40 Implementation of a kinematic fit algorithm in the search for Higgs boson pairs produced at the LHC and detected with ATLAS in the \$b\bar{b}\gamma\gamma\$ final state Speaker Romano Orlandini 17:40

Wednesday 30 July

High Energy Particle Physics
Session | Location: Room 1 | Convener: Dr Marta Tornago

11:00-11:25
LUCID, the ATLAS luminosity detector in LHC Run-3 and its upgrade for HL-LHC
Speaker
Elisa Sanzani

11:25-11:50
Recent results on CPV from \$b\$-hadron to charmonium decays at LHCb
Speaker
Xiaofan Hu

11:50-12:15 Detectors - calibration, performance (CMS)
Speaker
Raffaella Radogna

12:15-12:40 Electroweak and QCD Measurements in ATLAS
Speaker

12:40

Laura Fabbri

Thursday 31 July

