

Session Program

Jun 7 - 12, 2021



9th Edition of the Large Hadron Collider Physics Conference

Poster Session

Zoom

Thu, June 10

6:45 PM

Poster Session

Poster Session | Location: Zoom

Mass Unspecific Supervised Tagging (MUST) for boosted jets

Speaker

João Seabra

\sqrt{s} production cross section in pp collisions at $\sqrt{s}=13$ TeV with ALICE

Speaker

Jianhui Zhu

Playing cards as a tool to create public interest in physics

Speaker

Jason Robert Veatch

Hyperloop - The ALICE analysis train system for Run 3

Speaker

Raquel Quishpe Quishpe

The LHCb Muon Detector at Upgrade II

Speaker

Francesco Debernardis

Search for electroweak production of charginos and neutralinos in final states with one lepton, jets and missing transverse momentum with the ATLAS experiment

Speaker

Ngoc Khanh Vu

ATLAS searches extra dimensions for using the full Run 2 ee and mumu datasets

Speaker

Tracey Berry

The Detector Control System of the New Small Wheel for the ATLAS experiment

Speaker

Christos Paraskevopoulos

AFP Performance in the Low Pile-up Runs

Speaker

Maciej Piotr Lewicki

The characterisation of non-collision background events in the ATLAS detector during LHC Run 2 data-taking.

Speaker

Zakaria Chadi

The ATLAS public website - Evolution to Drupal 8

Speaker

Mariana Velho

Real-time flavour tagging selection in ATLAS**Speaker**

Christian Nass

The ATLAS Level-1 Topological Processor: experience and upgrade plans**Speaker**

Paula Martinez Suarez

The ATLAS Muon Trigger Design and Performance**Speaker**

Moe Wakida

Triggering in ATLAS in Run 2 and Run 3**Speaker**

Takuya Nobe

 $\sigma(\Lambda^+_{c})$ cross section in pp and p-Pb collisions down to $p_{T} = 0$ at $\sqrt{s_{NN}} = 5.02$ TeV measured with ALICE**Speaker**

Annalena Sophie Kalteyer

First Commissioning Data from FASER**Speaker**

Savannah Rose Shively

Upgrades of the ATLAS muon spectrometer with new small-diameter drift tube chambers**Speaker**

Ali El Moussaouy

Development of DAQ to DCS communication in the ATLAS Inner Tracker**Speaker**

Alessandra Palazzo

Fast simulation of a Time-of-Flight detector for Forward Protons at the LHC**Speaker**

Olivier Rousselle

The University of Michigan Semester Research Program at CERN**Speaker**

Steven Goldfarb

The International Particle Physics Outreach Group - Reaching Across the Globe with Science**Speaker**

Pedro Abreu

Spectral Clustering for Jet Physics**Speaker**

Henry Day-Hall

Apparent modification of the jet-like yield in high multiplicity proton-proton collisions

Speaker

Gyula Bencedi

Study of the jet transport coefficient at the Large Hadron Collider energies using Color String Percolation Model

Speaker

Dushmanta Sahu

Transverse sphericity dependence of azimuthal anisotropy in heavy-ion collisions at the LHC using a multi-phase transport model

Speaker

Mr Neelkamal Mallick

Colour and logarithmic accuracy in final-state parton showers

Speaker

Rok Medves

Implementation of machine learning techniques to predict impact parameter and transverse sphericity in heavy-ion collisions at the LHC

Speaker

Dr Aditya Nath Mishra

The Top-quark electro-weak couplings after LHC run2

Speaker

Marcos Miralles Lopez

Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system

Speaker

Prabhat Solanki

LCSR application to radiative tau decay

Speaker

Anshika Bansal

Precision from Diboson Processes at FCC-hh

Speaker

Philipp Englert

Wilson is not anomalous: on gauge anomalies in SMEFT

Speaker

Alejo Rossia

Correlation between initial spatial anisotropy and final momentum anisotropies in relativistic heavy ion collisions

Speaker

Sanchari Thakur

Impact of Soft Photons on $B \rightarrow K \ell^+ \ell^-$

Speaker

Dayanand Mishra

NNLO QCD study of polarised W^+W^- production at the LHC**Speaker**

Andrei Popescu

A Search for Lepton-Flavour-Violating $Z \rightarrow \tau$ and $Z \rightarrow \mu$ Decays with the ATLAS Experiment**Speaker**

Ann-Kathrin Perrevoort

Renormalization of scalar EFTs at higher orders**Speaker**

Weiguang Cao

The study on the medium parton distribution from momentum kick model in Heavy-Ion Collisions**Speaker**

Soyeon Cho

CP-violating observables and top-pair production at LHC.**Speaker**

Ms Apurba Tiwari

Spectator nucleons in ultracentral $\sqrt{s} = 2.76$ TeV $Pb-Pb$ collisions as a probe of nuclear periphery**Speaker**

Nikita Kozyrev

Extension of Glauber-like model for Proton-Proton collisions using anisotropic and inhomogeneous density profile**Speaker**

Suman Deb

Tagging the initial state gluon in the Z +jet process**Speaker**

Mr Simone Caletti

Sp(4) SIMP Dark Matter on the Lattice**Speaker**

Fabian Zierler

Pseudo-gauge dependence of quantum fluctuations of energy in a hot relativistic fermionic gas**Speaker**

Mr Rajeev Singh

The Chirality-Flow Formalism for Standard Model Amplitudes**Speaker**

Andrew Lifson

Study of energy deposition patterns in hadron calorimeter for prompt and displaced jets using convolutional neural network**Speaker**

Ms Rhitaja Sengupta

The non-resonant and resonant Higgs pair production at the HL-LHC**Speaker**

Mr Amit Adhikary

Measurement of the CP structure of the Yukawa interaction in Higgs boson decays to tau leptons in CMS**Speaker**

Andrea Cardini

Search for New Heavy Neutral Gauge Boson using Vector Boson Fusion Processes at the LHC**Speaker**

Ms Amandeep Kaur

Search for W' bosons decaying to a top and a bottom quark at $\sqrt{s}=13$ TeV in the hadronic final state with CMS**Speaker**

Suman Chatterjee

Search for nonresonant Higgs boson pair production in final states with a pair of b-quarks and a pair of photons in $\sqrt{s}=13$ TeV pp collisions data at CMS experiment**Speaker**

Soumya Mukherjee

Search for $H \rightarrow ZZ^* \rightarrow 4\mu$ at a Multi-TeV Muon Collider**Speaker**

Angela Zaza

Search for $H \rightarrow c\bar{c}b$ at a Multi-TeV Muon Collider**Speaker**

Paola J Mastrapasqua

Measurements of differential and integrated fiducial cross sections for Higgs Boson production in the four-lepton decay channel using run 2 data with the CMS detector**Speaker**

Alessandro Tarabini

Search for Dark Matter produced in association with a Standard Model Higgs boson decaying to b-quarks with 139 fb^{-1} of pp collision data with the ATLAS detector**Speaker**

Janik Von Ahnen

Constraining the Dark Sector with the Mono-jet signature with the ATLAS detector at the LHC**Speaker**

Elena Pompa Pacchi

Search for exotic decays of the Higgs boson to long-lived particles using displaced vertices in the ATLAS inner detector

Speaker

Jackson Carl Burzynski

Search for heavy resonances decaying into a W boson and a Higgs boson in $lvbb$ final states in 139fb^{-1} of $\sqrt{s}=13\text{TeV}$ pp collisions with the ATLAS detector**Speaker**

Makayla Vessella

LFUV Tests at the Z Pole**Speaker**

LINGFENG LI

Combined Constraints on First Generation Leptoquarks**Speaker**

Luc Schnell

Insight into K^* production in pp collisions as a function of collision energy, event-topology and multiplicity with ALICE at the LHC**Speaker**

Rutuparna Rath

Particle-yield modification in jet-like azimuthal V0-hadron correlations in Pb-Pb collisions at 5.02 TeV with ALICE at the LHC**Speaker**

Mustafa Anaam

Measurement of $B_c(2S)$ and $B_c(2S)^*$ cross section ratios in proton-proton collisions at 13 TeV**Speaker**

Manuel Alejandro Rodriguez Giraldo

The contribution of the WLCG Tier-2 site in Prague to the global WLCG operations**Speaker**

Dr Dagmar Adamova

The CMS MTD Endcap Timing Layer: Precision Timing with Low Gain Avalanche Detectors**Speaker**

Christopher McMahon

Precision Timing with the CMS MTD Barrel Timing Layer for HL-LHC**Speaker**

Badder Marzocchi

Event-Level Anomaly Detection for Multijet BSM Searches with Probabilistic Autoencoders**Speaker**

Ioan-Mihail Dinu

Physics Potential and Track Reconstruction of the FASER Experiment**Speaker**

Mr Tobias Boeckh

Development of a L1 tau trigger algorithm using the CMS high-granularity calorimeter information

Speaker

Mr Jona Motta

Luminosity measurement at muon collider

Speakers

Carlo Giralдин, Laura Buonincontri

Search for the dark boson through exotic Higgs decays

Speaker

Tamer Elkafrawy

FELIX-based Data Acquisition System Integration with the NSW Micromegas Electronics and Detector Performance Validation

Speaker

Christos Bakalis

Fast Beam Condition Monitor of the CMS experiment for precision luminosity measurement at HL-LHC

Speaker

Hamed Bakhshiansohi

CMS RPC activities during LS2 and Commissioning

Speaker

Mapse Barroso Ferreira Filho

Luminosity and beam-induced background measurement with the CMS tracker endcap pixel detector at HL-LHC

Speaker

Peter Kicsiny

Measurements of inclusive photons and charged particles at forward rapidities in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE

Speaker

Mr Abhi Modak

Measurement of Higgs boson production in association with a W or Z boson in the H->WW decay channel

Speaker

Ms Sahithi Rudrabhatla

Convolutional Neural Networks for event classification

Speaker

Adrian Rubio Jimenez

Measurement of tW production in the semileptonic channel in pp collisions at 13 TeV with CMS

Speaker

Duncan Leggat

Search for New Resonance in Photon and Jet final State using CMS Data

Speaker

Ms Jyoti Babbar

Prospects to exclude top quark partners using full Run II, III and HL-LHC data sets**Speaker**

Amandeep Singh Bakshi

Performance monitoring of the GE1/1 Triple-GEM detectors for the CMS Muon System**Speaker**

Gabriele Milella

Measurements of the weak diboson production cross sections in leptonic decays at 5.02 TeV with the CMS experiment**Speaker**

Carlos Vico Villalba

Precision Luminosity Measurement with the CMS detector at HL-LHC**Speaker**

Cristina Oropeza Barrera

Inclusive top-antitop production cross section at $\sqrt{s} = 5.02$ TeV in CMS**Speaker**

Alejandro Soto Rodriguez

Search for scalar top quark pair production in the top corridor region at the CMS experiment**Speaker**

Andrea Trapote Fernandez

Differential cross section measurements of the $t\bar{W}$ process at CMS**Speaker**

Mr Victor Rodriguez Bouza

Deep Neural Network resizing for real-time applications in High Energy Physics**Speaker**

Mr Andrea Di Luca

Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector**Speaker**

Dominik Babal

Evidence for four-top-quark production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**Speaker**

Albert Kong

Measurement of the four-top-quark production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**Speaker**

Martin Murin

Charm is better than beauty: searching for the Higgs coupling to charm quarks**Speaker**

Marko Stamenkovic

Search for non-resonant di-Higgs production in the $HH \rightarrow b\bar{b}\gamma\gamma$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**Speaker**

Alex Zeng Wang

Search for charged Higgs bosons decaying to $W+W+$ or $W+Z$ in 139fb⁻¹ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**Speaker**

Iulia-Stefania Trandafir

Angular correlations of heavy-flavour decay electrons and charged particles in pp and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE at LHC.**Speaker**

Ravindra Singh

Measurement of D -meson production as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 13$ TeV with ALICE at the LHC**Speaker**

Yoshini Bailung

New ideas on detector technology for the ILC experiments**Speaker**

Mr Bohdan Dudar

Strange-hadron correlation studies to investigate strangeness enhancement in pp collisions**Speaker**

Chiara De Martin

Extraction of the multiplicity dependence of Multiparton Interactions from LHC pp data using Machine Learning techniques**Speaker**

Erik Alfredo Zepeda Garcia

Analysis of b-jets production in p-Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE**Speaker**

Artem Isakov

Femtoscopic analysis of $\mathrm{K}^0_S\text{-p}$ pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with ALICE**Speaker**

Marta Urioni

LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions**Speaker**

Federico Meloni

Search for jet quenching effects in high-multiplicity proton-proton collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$

Speaker

Artem Kotliarov

Projections for jet quenching measurements in O-O collisions at $\sqrt{s_{NN}} = 6.37\text{ TeV}$ during the LHC Run3

Speaker

Filip Krizek

Possibility of Total Ionizing Dose Effects measurements for LHC experiments elements in a medical facility: the TIFPA-INFN experience

Speaker

Dr Benedetto Di Ruzza

Multi-charged TeV scale scalars and fermions in the framework of a radiative seesaw model

Speaker

Mr Avnish .

Upgrade of ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC

Speaker

Ryan Peter Mckenzie

Performance of the Tile Calorimeter Demonstrator system for the ATLAS Phase-II Upgrade

Speaker

Edward Khomotso Nkadimeng

Firmware of the ATLAS Level-0 Endcap Muon Trigger for HL-LHC

Speaker

Yuki Mitsumori

The phase-1 upgrade of the ATLAS level-1 calorimeter trigger

Speaker

Greg Myers

Physics motivations and detector upgrades for the new era of the ATLAS experiment

Speaker

Marisilvia Donadelli

Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC

Speaker

Mesut Unal

ATLAS LAr Calorimeter Commissioning for LHC Run-3

Speaker

Marcos Vinicius Silva Oliveira

A High-Granularity Timing Detector for the ATLAS Phase-II upgrade

Speaker

Asmaa Aboulhorma

The ATLAS Forward Proton Time-of-Flight detector: Projected performance for LHC Run3**Speaker**

Tomas Komarek

Testing of the MicroMegas detector trigger electronics for the New Small Wheel Phase I upgrade of ATLAS detector**Speaker**

Stamatios Tzanos

Studies on readout channel thresholds of resistive MicroMegas for ATLAS Muon Spectrometer**Speaker**

Maria Teresa Camerlingo

Cosmics muon validation and electronics performance of the New Small Wheel MicroMegas sectors for ATLAS Muon Upgrade**Speaker**

Maria Perganti

New Small Wheel sTGC Front-End Electronics Integration and Commissioning for ATLAS Phase I Upgrade**Speaker**

Prachi Atmasiddha

Development of the Configuration, Calibration and Monitoring System of the New Small Wheel Electronics for the ATLAS experiment**Speaker**

Polyneikis Tzanis

7:45 PM

Fri, June 11

10:00 AM
|
11:00 AM

Poster Session
Poster Session | **Location:** Zoom