

Session Program

4-9 Jun 2018



**The Sixth Annual Large Hadron Collider
Physics conference LHCP 2018**

Posters session

Tuesday 5 June

16:00

Posters session

Poster Session | Location: Library, Centro San Domenico

Production of pions, kaons and protons in Xe-Xe collisions at $\sqrt{s}_{\text{NN}} = 5.44$ TeV

Speaker

Simone Ragoni

Measurement of the Higgs Self-Coupling in the $HH \rightarrow VVbb$ Channel at the FCC-hh Collider

Speaker

Elisa Fontanesi

Ultra long-lived particles searches with MATHUSLA

Speaker

Audrey Katherine Kvam

Novel high intensity gamma-source at CERN: the Gamma Factory Initiative

Speaker

Camilla Curatolo

A tracking algorithm for the reconstruction of the daughters of long-lived particles in LHCb

Speaker

Katharina Mueller

Azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 13$ TeV with the ALICE experiment at the LHC

Speaker

Ms Samrangy Sadhu

$\phi(980)$ resonance production in pp collisions with the ALICE detector at LHC

Speaker

Alessandra Lorenzo

First results on charged $K^{*}(892)^{\pm}$ resonance production in pp collisions with ALICE at the LHC

Speaker

Kunal Garg

Study of heavy-flavour hadron decay electrons as a function of charged-particle multiplicity in pp collisions at $\sqrt{s} = 13$ TeV with ALICE

Speaker

Ms Shreyasi Acharya

Measurement of tW production cross-section at 13 TeV with CMS

Speaker

Sergio Sanchez Cruz

Higgs-to-Invisible Searches for the CMS experiment at the LHC**Speaker**

Mr Riccardo Di Maria

Performance of the CMS-HF Calorimeter After Phase I Upgrade**Speaker**

Erhan Gulmez

Enhanced scope of a Phase-2 CMS detector for the study of physics beyond the SM at the high-luminosity LHC**Speaker**

Kerstin Hoepfner

Hunting for wide resonances in the dijet mass spectrum at CMS**Speaker**

Mr Dimitrios Karasavvas

Hunting for narrow resonances in the dijet mass spectrum at CMS.**Speaker**

Melpomeni Diamantopoulou

Search for neutral Higgs Bosons Production in Final States with b-quarks**Speaker**

Antonio Vagnerini

Machine learning techniques for heavy flavour identification**Speaker**

Barbara Chazin Quero

Higgs to 4 leptons with 2017 dataset**Speaker**

Marko Kovac

Muon Identification and Isolation efficiencies on Run II data with the CMS experiment**Speaker**

Pedro Fernandez Manteca

The CMS ECAL data acquisition system and its performance at LHC Run 2**Speaker**

Dario Mapelli

The CMS Level-1 muon triggers for the LHC Run II**Speaker**

Ioanna Papavergou

Associated Production of $W+c$ and Determination of the Strange-Quark Content of the Proton**Speaker**

Svenja Karen Pflitsch

Measurement of the $t\bar{t}b\bar{b}$ cross section at 13 TeV

Speaker

Matteo Defranchis

The Level-1 CMS electron and photon trigger for the LHC Run II**Speaker**

Mr Pantelis Kontaxakis

Projected performance of CMS Cathode Strip Chambers at HL-LHC**Speaker**

Mr Bhargav Madhusudan Joshi

Upgrades of the CMS muon system in preparation of HL-LHC**Speaker**

Luigi Guiducci

Comparison studies for b tagging variables in data and simulation.**Speaker**

Garyfallia Paspalaki

Performance of the CMS electromagnetic calorimeter during the LHC Run II and its role in precision physics measurements**Speaker**

Mr Marco Cipriani

CMS ECAL monitoring and calibration in LHC Run 2**Speaker**

Mr Fabio Monti

Development of Machine Learning based muon trigger algorithms for the Phase2 upgrade of the CMS detector**Speaker**

Tommaso Diotallevi

Prototype of Machine Learning “as a Service” for CMS Physics in Signal vs Background discrimination**Speaker**

Dr Luca Giommi

Studies of the Level-0 Muon Trigger algorithm in the Barrel region of the ATLAS experiment for High-Luminosity LHC**Speaker**

Simone Francescato

Long-Lived Particles at HL-LHC with the ATLAS detector**Speaker**

Cristiano Sebastiani

Energy frontier electron-ion physics with the LHeC and the FCC-eh**Speaker**

Liliana Apolinario

Anti-deuteron sensitivity studies at LHCb

Speaker

Sophie Katherine Baker

LHCb full-detector real-time alignment and calibration: latest developments and perspectives**Speaker**

Katharina Mueller

Particle identification of neutral particles at LHCb**Speaker**

Boris Quintana

Measurement of track reconstruction efficiency at LHCb**Speaker**

Maarten Van Veghel

Equal cost multi pathing in high power systems with TRILL**Speaker**

Andrey Baginyan

Pentaquark states at LHCb**Speaker**

Alessandro Giachino

Four-jet and three-jet plus gamma DPS production in pp and pA collisions at the LHC**Speaker**

Mr Oleh Fedkevych

Collectivity in small collision systems a perspective from percolating color sources**Speaker**

Irais Bautista Guzman

The CMS Level-1 jet and energy sum triggers for the LHC Run II**Speaker**

Eshwen Bhal

High-pt muon performance at 13 TeV**Speaker**

Filippo Errico

Measurement of the ttbar inclusive production cross section at 5.02 TeV**Speaker**

Juan Gonzalez

Milliqan - A New Experiment for Milli-charged particles at the LHC**Speaker**

Andy Haas

Data-driven methods for misreconstructed objects estimation in lepton final states using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector at the LHC**Speaker**

Giulia Uchielli

Phase I and II Upgrades of the ATLAS Muon Spectrometer with Integrated Small Diameter Drift Tube Chambers and Thin-Gap Resistive Plate Chambers

Speaker

Verena Maria Walbrecht

Which scale for parton densities? Highlight from kt-factorization

Speaker

Dr Benjamin Guiot

First-Level Muon Track Trigger for Future Hadron Collider Experiments

Speaker

Dr Davide Cieri

Test of a New Octal Amplifier Shaper Discriminator Chip for the ATLAS MDT Chambers at HL-LHC

Speaker

Hubert Kroha

Design of the FCC-hh Muon Detector and Trigger System

Speaker

Oliver Kortner

Taking science to festivals: engaging the public where they least expect it

Speaker

Connie Potter

The "social content" strategy of the ATLAS Experiment

Speaker

Antonio Sidoti

Track reconstruction in high-multiplicity environments with the ATLAS Detector at the LHC

Speaker

Liza Mijovic

On the spin correlations of final leptons produced in the annihilation processes $e^+ e^- \rightarrow \mu^+ \mu^-, \tau^+ \tau^-$ and in the high-energy two-photon processes $\gamma \gamma \rightarrow e^+ e^-, \mu^+ \mu^-, \tau^+ \tau^-$

Speaker

Dr Valery Lyuboshitz

Small-Strip Thin Gap Chambers for the Muon Spectrometer Upgrade of the ATLAS Experiment

Speaker

Artur Coimbra

The Phase-II upgrade of the ATLAS Muon Spectrometer

Speaker

Lorenzo Massa

New Muon Trigger Chambers for ATLAS Phase I upgrade: TDAQ system

Speaker

Dr Federico Lasagni Manghi

LUCID: The ATLAS Luminosity Detector**Speaker**

Laura Fabbri

Combination Methods for In-Situ Jet Calibration in ATLAS**Speaker**

Eva Brottmann Hansen

LHCb particle identification strategy and performance in Run 2**Speaker**

Katharina Mueller

Reconstruction of displaced vertices at ATLAS**Speaker**

Dominik Krauss

Searches for electroweak production of supersymmetric gauginos and sleptons at ATLAS**Speaker**

Johannes Junggerburth

Search for ttH production in high-pT regimes with the ATLAS detector**Speaker**

Silvia Biondi

Unitarized HEFT description of strongly interacting longitudinal electroweak gauge bosons**Speaker**

Antonio Dobado

ATLAS Forward Proton Detectors**Speaker**

Chiara Grieco

Triggering on light-by-light scattering in the ATLAS experiment**Speaker**

Agnieszka Ewa Ogrodnik

Triggering on hadronic signatures in ATLAS - developments for 2017 and 2018**Speaker**

Mr Herjuno Rah Nindhito

Integration and Commissioning of the Fast TracKer system**Speaker**

Milene Calvetti

ATLAS Electron and Photon Trigger**Speaker**

Joaquin Hoya

Data acquisition and Software the ATLAS Tile Calorimeter Phase-II Upgrade Demonstrator**Speaker**

Jared Little

Performance of the ATLAS hadronic Tile calorimeter**Speaker**

Tal van Daalen

Measurement of the tau lepton reconstruction and identification performance in the ATLAS experiment using pp collisions at $\sqrt{s}=13$ TeV**Speaker**

Michael Huebner

ttH Coupling Measurements with Multileptons and Photons, and Combined Results Using the ATLAS Detector at the LHC**Speaker**

Alex Zeng Wang

Measurement of W boson production in Pb+Pb at 5.02 TeV with the ATLAS detector**Speaker**

Piotr Andrzej Janus

Probing and Distinguishing Representations at the LHC**Speaker**

Dr Antonio Costantini

ATLAS Open Data project**Speaker**

Caterina Doglioni

The Micromegas detector for the Muon Spectrometer upgrade of the ATLAS experiment**Speaker**

Damiano Vannicola

A PCI Express board for the upgrade of the ATLAS TDAQ read-out system**Speaker**

Alessandro Gabrielli

Muon identification and performance in the ATLAS experiment**Speaker**

Johannes Josef Junggeburth

The design and performance of the ATLAS Inner Detector trigger in high pileup collisions at 13 TeV at the Large Hadron Collider**Speaker**

Mario Grandi

Time-dependent CP violation in $B_{0(s)} \rightarrow hh$ - Davide Fazzini**Speaker**

Davide Fazzini

Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC

Speaker

Dr Ernesto Arganda

Measurements of the production of W/Z boson in association with (heavy flavour) jets with the ATLAS detector

Speaker

Camilla Vittori

Search for magnetic monopoles with the MoEDAL forward trapping detector in 2.11 fb^{-1} of 13 TeV proton-proton collisions at the LHC

Speaker

Anthony Lioni

Search for W' to tb decays in the all-hadronic final state using the shower deconstruction top tagger in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Speaker

Aparajita Dattagupta

Direct search for right-handed neutrino with the ATLAS detector in pp collisions at 13 TeV

Speaker

Arnaud Dubreuil

Search for pair and single production of vector-like quarks decaying to a Z boson in pp collisions at 13 TeV with data collected with the ATLAS detector

Speaker

Elena Murielle Freundlich

Search for Dark Matter in association with a hadronically decaying Z' vector boson with the ATLAS detector in pp collisions at 13 TeV

Speaker

Paul Philipp Gadow

Search for a W' decaying to tb in the lepton plus jets final state with the ATLAS detector using 36.1 fb^{-1} of pp collision data at $\sqrt{s}=13$ TeV

Speaker

Marija Marjanovic

Search for Dark Matter produced in association with a Higgs boson decaying to bb at $\sqrt{s}=13$ TeV using 80 fb^{-1} with the ATLAS detector

Speaker

Veronica Fabiani

Search for pairs of highly collimated groupings of photons at 13 TeV with the ATLAS detector

Speaker

Yuya Kano

Search for type-III seesaw heavy leptons using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector at the LHC

Speaker
Tadej Novak

New search results for low-mass dijet resonances using trigger-level jets at ATLAS

Speaker
William Kalderon

Search for Dark Matter produced in association with a W or Z boson with the ATLAS Experiment at 13 TeV

Speaker
Stanislav Suchek

Search for resonant WZ Production in the fully leptonic final state in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector

Speaker
Benjamin Freund

17:30

Friday 8 June

11:00

11:05

Posters session: Poster winners announcement

Poster Session | **Location:** Salone Bolognini