



# 9th Edition of the Large Hadron Collider Physics Conference

## Thursday, June 10, 2021

**Poster Session (6:45 PM - 7:45 PM)**

[id] title	presenter	board
[510] ATLAS searches extra dimensions for using the full Run 2 ee and muon datasets	BERRY, Tracey	
[509] Search for electroweak production of charginos and neutralinos in final states with one lepton, jets and missing transverse momentum with the ATLAS experiment	VU, Ngoc Khanh	
[436] Search for exotic decays of the Higgs boson to long-lived particles using displaced vertices in the ATLAS inner detector	BURZYNSKI, Jackson Carl	
[442] 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	BABAL, Dominik	
[460] Measurements of the weak diboson production cross sections in leptonic decays at 5.02 TeV with the CMS experiment	VICO VILLALBA, Carlos	
[411] Multi-charged TeV scale scalars and fermions in the framework of a radiative seesaw model	Mr ., Avnish	
[464] NNLO QCD study of polarised $W^+W^-$ production at the LHC	POPESCU, Andrei	
[397] New Small Wheel sTGC Front-End Electronics Integration and Commissioning for ATLAS Phase I Upgrade	ATMASIDDHA, Prachi	
[423] New ideas on detector technology for the ILC experiments	Mr DUDAR, Bohdan	
[496] Particle-yield modification in jet-like azimuthal $V_0$ -hadron correlations in Pb-Pb collisions at 5.02 TeV with ALICE at the LHC	ANAAM, Mustafa	
[461] Performance monitoring of the GE1/1 Triple-GEM detectors for the CMS Muon System	MILELLA, Gabriele	
[409] Performance of the Tile Calorimeter Demonstrator system for the ATLAS Phase-II Upgrade	NKADIMENG, Edward Khomotso	
[487] Physics Potential and Track Reconstruction of the FASER Experiment	Mr BOECKH, Tobias	
[406] Physics motivations and detector upgrades for the new era of the ATLAS experiment	DONADELLI, Marisilvia	
[429] Playing cards as a tool to create public interest in physics	VEATCH, Jason Robert	
[412] Possibility of Total Ionizing Dose Effects measurements for LHC experiments elements in a medical facility: the TIFPA-INFN experience	Dr DI RUZZA, Benedetto	
[459] Precision Luminosity Measurement with the CMS detector at HL-LHC	OROPEZA BARRERA, Cristina	
[489] Precision Timing with the CMS MTD Barrel Timing Layer for HL-LHC	MARZOCCHI, Badder	
[431] Precision from Diboson Processes at FCC-hh	ENGLERT, Philipp	
[413] Projections for jet quenching measurements in O-O collisions at $\sqrt{s_{NN}} = 6.37$ TeV during the LHC Run3	KRIZEK, Filip	
[463] Prospects to exclude top quark partners using full Run II, III and HL-LHC data sets	BAKSHI, Amandeep Singh	

[332] Pseudo-gauge dependence of quantum fluctuations of energy in a hot relativistic fermionic gas	Mr SINGH, Rajeev	
[390] Real-time flavour tagging selection in ATLAS	NASS, Christian	
[469] Renormalization of scalar EFTs at higher orders	CAO, Weiguang	
[444] Search for Dark Matter produced in association with a Standard Model Higgs boson decaying to b-quarks with 139 fb <sup>-1</sup> of pp collision data with the ATLAS detector	VON AHNEN, Janik	
[447] Search for $H \rightarrow ZZ^* \rightarrow 4\mu$ at a Multi-TeV Muon Collider	ZAZA, Angela	
[446] Search for $H \rightarrow c\bar{c}$ at a Multi-TeV Muon Collider	MASTRAPASQUA, Paola J	
[454] Search for New Heavy Neutral Gauge Boson using Vector Boson Fusion Processes at the LHC	Ms KAUR, Amandeep	
[465] Search for New Resonance in Photon and Jet final State using CMS Data	Ms BABBAR, Jyoti	
[452] Search for W' bosons decaying to a top and a bottom quark at $\sqrt{s}=13$ TeV in the hadronic final state with CMS	CHATTERJEE, Suman	
[437] Search for charged Higgs bosons decaying to $W+W+$ or $W+Z$ in 139fb <sup>-1</sup> of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector	TRANDAFIR, Iulia-Stefania	
[435] Search for heavy resonances decaying into a W boson and a Higgs boson in $lvbb$ final states in 139fb <sup>-1</sup> of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector	VESSELLA, Makayla	
[414] Search for jet quenching effects in high-multiplicity proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$	KOTLIAROV, Artem	
[438] 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	WANG, Alex Zeng	
[451] 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	MUKHERJEE, Soumya	
[457] Search for scalar top quark pair production in the top corridor region at the CMS experiment	TRAPOTE FERNANDEZ, Andrea	
[479] Search for the dark boson through exotic Higgs decays	ELKAFRAWY, Tamer	
[383] Sp(4) SIMP Dark Matter on the Lattice	ZIERLER, Fabian	
[478] Spectator nucleons in ultracentral $\sqrt{s}=208$ Pb-Pb collisions as a probe of nuclear periphery	KOZYREV, Nikita	
[154] Spectral Clustering for Jet Physics	DAY-HALL, Henry	
[422] Strange-hadron correlation studies to investigate strangeness enhancement in pp collisions	DE MARTIN, Chiara	
[400] Studies on readout channel thresholds of resistive MicroMegas for ATLAS Muon Spectrometer	CAMERLINGO, Maria Teresa	
[138] Study of energy deposition patterns in hadron calorimeter for prompt and displaced jets using convolutional neural network	Ms SENGUPTA, Rhitaja	
[492] Study of the jet transport coefficient at the Large Hadron Collider energies using Color String Percolation Model	SAHU, Dushmanta	
[416] Tagging the initial state gluon in the Z+jet process	Mr CALETTI, Simone	
[401] Testing of the MicroMegas detector trigger electronics for the New Small Wheel Phase I upgrade of ATLAS detector	TZANOS, Stamatios	

[402] The ATLAS Forward Proton Time-of-Flight detector: Projected performance for LHC Run3	KOMAREK, Tomas	
[391] The ATLAS Level-1 Topological Processor: experience and upgrade plans	MARTINEZ SUAREZ, Paula	
[392] The ATLAS Muon Trigger Design and Performance	WAKIDA, Moe	
[387] The ATLAS public website - Evolution to Drupal 8	VELHO, Mariana	
[490] The CMS MTD Endcap Timing Layer: Precision Timing with Low Gain Avalanche Detectors	MCMAHON, Christopher	
[395] The Detector Control System of the New Small Wheel for the ATLAS experiment	PARASKEVOPOULOS, Christos	
[156] The International Particle Physics Outreach Group - Reaching Across the Globe with Science	ABREU, Pedro	
[426] The LHCb Muon Detector at Upgrade II	DEBERNARDIS, Francesco	
[419] The Top-quark electro-weak couplings after LHC run2	MIRALLES LOPEZ, Marcos	
[157] The University of Michigan Semester Research Program at CERN	GOLDFARB, Steven	
[388] The characterisation of non-collision background events in the ATLAS detector during LHC Run 2 data-taking.	CHADI, Zakaria	
[19] The non-resonant and resonant Higgs pair production at the HL-LHC	Mr ADHIKARY, Amit	
[407] The phase-1 upgrade of the ATLAS level-1 calorimeter trigger	MYERS, Greg	
[476] The study on the medium parton distribution from momentum kick model in Heavy-Ion Collisions	CHO, Soyeon	
[483] Transverse sphericity dependence of azimuthal anisotropy in heavy-ion collisions at the LHC using a multi-phase transport model	Mr MALLICK, Neelkamal	
[393] Triggering in ATLAS in Run 2 and Run 3	NOBE, Takuya	
[421] Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system	SOLANKI, Prabhat	
[410] Upgrade of ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC	MCKENZIE, Ryan Peter	
[394] Upgrades of the ATLAS muon spectrometer with new small-diameter drift tube chambers	EL MOUSSAOUY, Ali	
[432] Wilson is not anomalous: on gauge anomalies in SMEFT	ROSSIA, Alejo	
[471] Measurements of inclusive photons and charged particles at forward rapidities in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE	Mr MODAK, Abhi	
[445] 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	TARABINI, Alessandro	
[440] Measurement of the four-top-quark production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	MURIN, Martin	
[455] Measurement of the CP structure of the Yukawa interaction in Higgs boson decays to tau leptons in CMS	CARDINI, Andrea	
[466] Measurement of tW production in the semileptonic channel in pp collisions at 13 TeV with CMS	LEGGAT, Duncan	
[470] Measurement of Higgs boson production in association with a W or Z boson in the H->WW decay channel	Ms RUDRABHATLA, Sahithi	

[495] Measurement of $B_c(2S)$ and $B_c(2S)^*$ cross section ratios in proton-proton collisions at 13 TeV	RODRIGUEZ GIRALDO, Manuel Alejandro	
[467] Mass Unspecific Supervised Tagging (MUST) for boosted jets	SEABRA, João	
[484] Luminosity measurement at muon collider	GIRALDIN, Carlo BUONINCONTRI, Laura	
[472] Luminosity and beam-induced background measurement with the CMS tracker endcap pixel detector at HL-LHC	KICSINY, Peter	
[415] LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions	MELONI, Federico	
[428] LCSR application to radiative tau decay	BANSAL, Anshika	
[497] Insight into $K$ production in pp collisions as a function of collision energy, event-topology and multiplicity with ALICE at the LHC	RATH, Rutuparna	
[458] Inclusive top-antitop production cross section at $\sqrt{s} = 5.02$ TeV in CMS	SOTO RODRIGUEZ, Alejandro	
[481] Implementation of machine learning techniques to predict impact parameter and transverse sphericity in heavy-ion collisions at the LHC	Dr MISHRA, Aditya Nath	
[450] Impact of Soft Photons on $B \rightarrow K \ell^+ \ell^-$	MISHRA, Dayanand	
[427] Hyperloop – The ALICE analysis train system for Run 3	QUISHPE QUISHPE, Raquel	
[385] First Commissioning Data from FASER	SHIVELY, Savannah Rose	
[408] Firmware of the ATLAS Level-0 Endcap Muon Trigger for HL-LHC	MITSUMORI, Yuki	
[417] Femtoscopic analysis of $\mathit{K}^0_S$ -p pairs in proton–proton collisions at $\sqrt{s} = 13$ TeV with ALICE	URIONI, Marta	
[298] Fast simulation of a Time-of-Flight detector for Forward Protons at the LHC	ROUSSELLE, Olivier	
[474] Fast Beam Condition Monitor of the CMS experiment for precision luminosity measurement at HL-LHC	BAKHSHIANSOHI, Hamed	
[475] FELIX-based Data Acquisition System Integration with the NSW Micromegas Electronics and Detector Performance Validation	BAKALIS, Christos	
[420] Extraction of the multiplicity dependence of Multiparton Interactions from LHC pp data using Machine Learning techniques	ZEPEDA GARCIA, Erik Alfredo	
[480] Extension of Glauber-like model for Proton-Proton collisions using anisotropic and inhomogeneous density profile	DEB, Suman	
[441] Evidence for four-top-quark production in the multilepton final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	KONG, Albert	
[488] Event-Level Anomaly Detection for Multijet BSM Searches with Probabilistic Autoencoders	DINU, Ioan-Mihail	
[456] Differential cross section measurements of the $tW$ process at CMS	Mr RODRIGUEZ BOUZA, Victor	
[396] Development of the Configuration, Calibration and Monitoring System of the New Small Wheel Electronics for the ATLAS experiment	TZANIS, Polyneikis	
[405] Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC	UNAL, Mesut	
[486] Development of a L1 tau trigger algorithm using the CMS high-granularity calorimeter information	Mr MOTTA, Jona	
[384] Development of DAQ to DCS communication in the ATLAS Inner Tracker	PALAZZO, Alessandra	
[448] Deep Neural Network resizing for real-time applications in High Energy Physics	Mr DI LUCA, Andrea	

[399] Cosmics muon validation and electronics performance of the New Small Wheel MicroMegas sectors for ATLAS Muon Upgrade	PERGANTI, Maria	
[449] Correlation between initial spatial anisotropy and final momentum anisotropies in relativistic heavy ion collisions	THAKUR, Sanchari	
[468] Convolutional Neural Networks for event classification	RUBIO JIMENEZ, Adrian	
[443] Constraining the Dark Sector with the Mono-jet signature with the ATLAS detector at the LHC	POMPA PACCHI, Elena	
[503] Combined Constraints on First Generation Leptoquarks	SCHNELL, Luc	
[482] Colour and logarithmic accuracy in final-state parton showers	MEDVES, Rok	
[439] Charm is better than beauty: searching for the Higgs coupling to charm quarks	STAMENKOVIC, Marko	
[477] CP-violating observables and top-pair production at LHC.	Ms TIWARI, Apurba	
[473] CMS RPC activities during LS2 and Commissioning	BARROSO FERREIRA FILHO, Mapse	
[494] Apparent modification of the jet-like yield in high multiplicity proton-proton collisions	BENCEDI, Gyula	
[425] Angular correlations of heavy-flavour decay electrons and charged particles in pp and p-Pb collisions $\sqrt{s_{\text{NN}}} = 5.02$ TeV with ALICE at LHC.	SINGH, Ravindra	
[418] Analysis of b-jets production in p-Pb and pp collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with ALICE	ISAKOV, Artem	
[404] ATLAS LAr Calorimeter Commissioning for LHC Run-3	SILVA OLIVEIRA, Marcos Vinicius	
[434] A Search for Lepton-Flavour-Violating $Z \rightarrow \tau$ and $Z \rightarrow \mu\tau$ Decays with the ATLAS Experiment	PERREVOORT, Ann-Kathrin	
[403] A High-Granularity Timing Detector for the ATLAS Phase-II upgrade	ABOULHORMA, Asmaa	
[386] $\Lambda_c^+$ cross section in pp and p-Pb collisions down to $p_{\text{T}} = 0$ at $\sqrt{s_{\text{NN}}} = 5.02$ TeV measured with ALICE	KALTEYER, Annalena Sophie	
[430] $\Omega_c^0$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with ALICE	ZHU, Jianhui	
[299] The Chirality-Flow Formalism for Standard Model Amplitudes	LIFSON, Andrew	
[389] AFP Performance in the Low Pile-up Runs	LEWICKI, Maciej Piotr	
[424] Measurement of $\mathbf{D}$ -meson production as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 13$ TeV with ALICE at the LHC	BAILUNG, Yoshini	
[493] The contribution of the WLCG Tier-2 site in Prague to the global WLCG operations	Dr ADAMOVA, Dagmar	
[18] LFUV Tests at the Z Pole	LI, LINGFENG	

# Friday, June 11, 2021

**Poster Session (10:00 AM - 11:00 AM)**