

ICHEP 2024

Thursday 18 July 2024

Poster Session 1: Poster Session & Welcome Reception - Foyer Floor 2 (19:00 - 21:00)

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[1515] Inclusive excellence at the European Research Council (ERC): latest actions and results of sustained measures	FARIÑA BUSTO, Luis	
[421] Flavor identification of atmospheric neutrinos in JUNO	ZENG, Fanrui	
[281] Performance study of ATLAS ITk strip endcap modules using charged particle beams	PRIVARA, Radek	
[977] Determination of diffractive PDFs from a global QCD analysis of inclusive diffractive DIS and dijet cross-section measurements at HERA	SALAJEGHEH, Maral	
[28] The Italian Summer Students Program at Fermilab and other US Laboratories: 40 years of education in particle physics and technology	Prof. DONATI, Simone	
[642] Study of Resonance Production using Run 3 pp Collisions with ALICE	Mr KOLEY, Hirak Kumar	
[563] Constituent based Quark/Gluon Jet Tagging	JANKOVYCH, Samuel	
[408] DarkSide-20k Veto SiPM Detectors: Construction and Characterisation	Dr FRANCHINI, Paolo	
[1084] Detecting Odderon in K0s Regeneration at CERN	Dr FILIP, Peter	
[478] CMS RPC Detector consolidation and preparation for new chambers installation for Phase II upgrade programme	PINHEIRO, Joao	
[1409] Resolving deuteron production mechanism in ultrarelativistic heavy-ion collisions with the help of elliptic flow	VOZÁBOVÁ, Radka	
[1325] Validating the advantage of using ensembles over a single GAN model for calorimeter simulations	JARUSKOVA, Kristina	
[1277] Optimization of fast parallel operations with large disk arrays	ZEMKO, Martin	
[1190] Outlook for Theoretical Precision of the Luminosity at Future Lepton Colliders	WARD, Bennie	
[1168] Multiplicity dependence of Υ meson production in $p\bar{p}$ collisions at $\sqrt{s} \sim 510$ GeV at the STAR experiment	CESKA, Jakub	
[1160] Electroweak Symmetry Restoration in Extended Higgs Sectors via Domain Walls	Prof. MOORTGAT-PICK, Gudrid	
[1337] Dark Matter searches in models with extended Higgs sector at lepton colliders	LI, Cheng	
[913] Probing photon-axionlike particle oscillations from the MAGIC observations of QSO B1420+326	Dr DIXIT, Khushboo	
[1346] Advancing Detector Calibration and Event Reconstruction in Water Cherenkov Detectors through Analytical Differentiable Simulations	XIA, Junjie	
[99] Search for heavy-neutrino production of the $U(1)_{B-L}$ model at the future muon collider	GUTIERREZ RODRIGUEZ, Alejandro	
[98] Loop induced rare flavor-changing decays of the top quark in the Bestest Little Higgs Model	Dr HERNÁNDEZ-RUÍZ, María A.	

[82] The Ton-Scale Search for Neutrinoless Double-Beta Decay in Germanium with LEGEND-1000	CALGARO, Sofia	
[77] Multi-channel, multi-template reconstruction for SuperCDMS SNOLAB using machine learning	PRADEEP, Aditi	
[63] A fast lens-based imaging device for the liquid Argon target of SAND in the DUNE Near Detector Complex	DI NOTO, Lea	
[55] ESSnsSBplus Target Station Design Study	TOLBA, Tamer	
[54] Symmetry properties in diagonalizing the mass matrix	CHIU, S. H.	
[52] Design of a Distributed Parallel Computing Engine for High-Throughput Data Processing of HEPS	Mr HU, yu	
[50] A proposed PKU-Muon experiment for muon tomography and dark matter search	LI, Qiang	
[44] Promoting usable skills and analysis methods via introductory physics labs	BEZNOSKO, Dmitriy	
[35] MAPP-2: The Search for Long-Lived Neutral Particles at the HL-LHC	STAELENS, Michael Anthony	
[31] Training Deep 3D Convolutional Neural Networks to Extract BSM Physics Parameters Directly from HEP Data: a Proof-of-Concept Study Using Monte Carlo Simulations	Dr DUBEY, Shawn	
[826] Status on the Neutrino Elastic-scattering Observation with NaI(Tl) experiment	Dr LEE, InSoo	
[711] Expressing CP Violation in Terms of Bargmann Invariants and Geometric Phases in Kaon Decays and Baryogenesis	SANGIRI, Swarup	
[775] Beam dynamics corrections to measurements of the muon anomalous magnetic moment	Prof. KHAW, Kim Siang	
[348] Measurement of the WZ inclusive cross section at 13.6 TeV with CMS	ALVAREZ GONZALEZ, Barbara	
[569] Measurement of 4ljj production using 140 fb⁻¹ of proton-proton collision data at sqrt(s)=13 TeV with the ATLAS detector	WANG, Xi	
[338] Search for additional Higgs bosons at high mass decaying to WW with the CMS experiment	BARDELLI, Giulio	
[384] Search for the rare decays of the Z and Higgs bosons to a J/Psi or Psi' meson and a photon at CMS	Mr ARDINO, Rocco	
[442] Search for HH or $\chi\chi$ production in final states with one or two light leptons and a pair of τ-leptons with the ATLAS detector	ALI, Babar	
[506] Measurement of the ttH\rightarrowbb process with the ATLAS experiment	ROZARIO, Zefran	
[530] Exploring Charged Higgs Bosons in the Georgi-Machacek Model: Latest Findings from the ATLAS Experiment at LHC	ZHAO, Haoran	
[541] Search for a new scalar or pseudoscalar heavy Higgs Boson using production of four top quarks at the Large Hadron Collider	CHAUHAN, Chainika	
[513] ESSnuSB+: non-beam neutrino physics and sterile neutrinos at near detectors	GIARNETTI, Alessio	
[594] Search for a sub-eV sterile neutrino using Daya Bay's full dataset	ZHANG, Shiqi	
[598] Detectability of neutrinos from supernova bursts in PandaX-4T	Mr PANG, Binyu	
[622] Status and prospects of the NEXT-100 experiment	ALMAZAN, Helena	
[632] Study of Radon background in the SuperNEMO detector	AGUERRE, Xalbat	
[638] Neutrino Interaction Measurement Capabilities of the SBND Experiment	JONES, Rhiannon Susan	

[679] Measurement of the nuclear transition energies of Kr-83m using the gaseous krypton source of KATRIN	Mr BÖTTCHER, Matthias	
[733] The Top Tracker of the JUNO experiment	Dr KARAPARAMBIL RAJAN, Rebin	
[765] Towards the tonne scale for the NEXT experiment	LÓPEZ MARCH, Neus	
[785] Detecting neutrinos from natural sources with the JUNO experiment	Dr BASILICO, Davide	
[818] Calibration of the DANSS detector with stopped atmospheric muons and their decays	GOROVTSOV, Petr	
[828] Vertex correction to nuclear matrix elements of double- β decays	TERASAKI, Jun	
[851] Searching for exotic modes of $2\nu\beta\beta$ with the SuperNEMO Experiment	MAROS, Petro	
[871] Particle track reconstruction for the SuperNEMO experiment	KŘIŽÁK, Tomáš	
[909] Barium tagging in NEXT: toward an ultra-low background $0\nu\beta\beta$ decay detector.	HERRERO GOMEZ, Pablo	
[926] KATRIN sterile neutrino analysis	KÖHLER, Christoph	
[928] Improved event selection of ν_e charged-current single pion production interactions at T2K Far Detector	SANJEEV PRABHU, Yashwanth	
[966] First glance at the latest science runs of the KATRIN neutrino mass experiment using the KaFit analysis package	STOREK, Jaroslav	
[108] Signatures of the Inert Triplet Model from Vector Boson Fusion at a Muon Collider	PARASHAR, Snehashis	
[191] Searches in CMS for new physics in final states with tau leptons	WULANSATITI, Muti	
[349] Probing lepton-flavor-violating processes in e^+e^- colliders	UYEN, LAM THI TO	
[366] Resonant production of vectorlike quarks at the HL-LHC	DUMINICA, Ioana	
[409] Search for Higgs boson exotic decays to pseudoscalars in the final states with tau leptons and b quarks at CMS	KWAN, Stephanie	
[424] Search for Lepton Flavor Violation in TOP quark sector using data from CMS Experiment	PARK, Jiwon	
[462] Searches for new phenomena using Anomaly Detection at the ATLAS experiment	D'AVANZO, Antonio	
[466] Stau searches at future e^+e^- colliders	NUNEZ PARDO DE VERA, Maria Teresa	
[505] Search For The Production Of Vector-like Lepton Pairs In Final States Containing Tau-Leptons With The Atlas Detector	OLIVEIRA CORREA, Gabriel	
[507] Discovery prospects for the top squark at the ATLAS experiment at the HL-LHC	DE SANTIS, Francesco	
[536] Search for higgsinos with compressed spectra exploiting a low-momentum track with large transverse impact parameter	SALA, Alessandro	
[619] Probing New Physics at future e^+e^- colliders with two-particle angular correlations	MUSUMECI, Emanuela	
[787] CEPC carbon footprint and CO2 Reduction Optimization	Dr WANG, Dou	
[1004] Particle Identification Algorithms Based on Machine Learning for STCF	ZHAI, Yuncong	
[868] Local renormalisation from Causal Loop-Tree Duality	Dr SBORLINI, German	

[368] International Masterclasses in Particles Physics - expanding geographically and broadening in scope	BORGELT, David	
[626] Engaging the Public – ATLAS Digital Communication	ANTHONY, Katarina	
[627] Engaging the Classroom – Colouring Books, Printables, Masterclasses, and More	Dr MORENO LLACER, Maria	
[629] Engaging the World – The Popular ATLAS Detector Visit and Virtual Visit Programmes	ALHROOB, Muhammad	
[131] End-to-end tau reconstruction and identification using transformers	SEEBA, Norman	
[178] Triggering on electrons, photons, tau leptons, Jets and energy sums at HL-LHC with the upgraded CMS Level-1 Trigger	PAINESIS, Haris	
[197] Machine learning based tau lepton identification for the CMS high-level trigger deployed for 13.6 TeV proton-proton collisions	SARKISOVI, Valentina	
[198] Hadronic tau tagging with the CMS detector using domain adaptation to mitigate discrepancies between simulation and data	MASTRAPASQUA, Paola	
[216] Sets are all you need: Ultrafast jet classification on FPGAs for HL-LHC	SZNAJDER, Andre	
[242] Transforming Particle Theory: Lagrangian Generation through Transformers	KOAY, Yong Sheng	
[243] Identification of Lorentz-boosted jets in the CMS experiment	TROIANO, Donato	
[606] Benchmarking distributed-interactive HEP analysis workflows on the new Italian National Centre analysis infrastructure	D'ONOFRIO, Adelina	
[374] Improving multi-track reconstruction algorithms in the Mu2e Experiment	RICCI, Alessandro Maria	
[382] Luminosity measurement using Timepix3 during 2018 pp-collisions at $\sqrt{s} = 13$ TeV in the ATLAS experiment	DAVID BOSNE, Eric	
[591] Sub-GeV events energy reconstruction with 3-inch PMTs in JUNO	HUANG, Yongbo	
[669] Parameterize PMT Single Photoelectron Response Shape Variance with linear models	WU, Yiyang	
[671] Characterisation studies of two front-end electronics chips for SiPM-based detectors	LIU, Yong	
[821] Advancements in Charge Detection: A High-Resolution, Wide Dynamic Range Prototype for Ion Beam Monitoring	Dr BETTI, Pietro	
[986] Expected Performance of Cosmic Muon Veto Detector at IICHEP, Madurai, India.	MAJUMDER, Gobinda	
[1024] Design, fabrication and characterization of a bias supply circuit for SiPMs	CHATTOPADHYAY, Prajjalak	
[168] Triggering on muon showers in the Barrel Muon Trigger of the CMS experiment for the HL-LHC upgrades	PRADO PICO, Javier	
[169] Tag and Probe technique tracking efficiency results at CMS	D'ANZI, Brunella	
[200] System tests with the TEPX detector for the CMS Inner Tracker upgrade	Mr MENG, Fanqiang	
[234] Test beam performance of sensor modules for the CMS Barrel Timing Layer	CETORELLI, Flavia	
[253] Integration test of a new inner-station TGC system for the ATLAS experiment at HL-LHC	WADA, Arisa	
[256] Upgrade of the ATLAS Monitored Drift Tube detector for the HL-LHC	GE, Jiajin	
[258] The ATLAS Forward Proton Time-of-Flight Detector System	CERNY, Karel	
[259] LUCID-3: the upgrade of the ATLAS Luminosity detector for High Luminosity LHC	LINDON, Jack	

[264] Characterization with test beams of ITk pixel detectors for the upgrade of the ATLAS Inner Detector	TIAN, Yusong	
[268] Summary of the ATLAS ITk strip tracker module pre-production	TEOH, Jia Jian	
[269] The ATLAS Inner Tracker Strip Detector system tests - development of DAQ and DCS	TAO, Zhengcheng	
[272] A comprehensive firmware validation machinery for the Level-0 Endcap Muon trigger for LHC-ATLAS Phase2 upgrade	YAMASHITA, Erika	
[282] ATLAS Trigger menu	CELLA, Sofia	
[283] ATLAS Level-1 Trigger Menu Testing	PENC, Ondrej	
[284] ATLAS Tile Calorimeter time calibration, monitoring and performance	DIVISEK, Martin	
[285] Calibration of the ATLAS Tile Calorimeter	BOGAVAC, Danijela	
[286] Energy response of ATLAS Tile Calorimeter to isolated muons	PETRU, Tadeas	
[287] Exploring tomorrow's Monte-Carlo generators: MC Validation in ATLAS with PAVER	KRAUS, Johanna Wanda	
[313] The CMS Fast Beam Condition Monitor at the HL-LHC	Mr SEDIGHZADEH DALAVI, Vahid	
[330] Quality control of LYSO:Ce crystals for the CMS barrel MIP Timing Detector	AKRAP, Petra	
[335] Towards a precise measurement of particles time-of-flight with the new Mip Timing Detector for the CMS Experiment	PALMERI, Noemi	
[365] CMS improved Resistive Plate Chambers (iRPC) upgrade: Web-based automation for Quality Control	ASILAR, Ece	
[381] Testing of first preproduction ITk Pixel detector units	JOOS, Hans Ludwig	
[386] Validation and performance results of the first CMS GEM GE2/1 muon production chambers	ELKAFRAWY, Tamer	
[388] Online Monitoring System for the CMS GEM Detectors	ANUREET KAUR, Anureet Kaur	
[395] Run-3 improvements in the ATLAS online luminosity measurement	WIERDA, Renske	
[648] Unique Properties of the 3rd Group of Cosmic Rays measured by the Alpha Magnetic Spectrometer	OCAMPO PELETEIRO, Jose	
[649] Unique Properties of Daily Helium Fluxes up to 100 GV	FALDI, Francesco	
[696] Towards the second generation of the Fluorescence detector Array of Single-pixel Telescopes	JILEK, Vlastimil	
[362] EFT Searches with the LZ Detector	LIPPINCOTT, Hugh	
[590] Solar axion search with TES microcalorimeters and an iron-57 absorber	IKEDA, Tomonori	
[377] Study of $\gamma\gamma$ processes in UPC with future FoCal and ALICE 3 detector	SZCZUREK, Antoni	
[414] Event-by-event fluctuation of mean transverse momentum in pp, Xe–Xe and Pb–Pb collisions with ALICE	TRIPATHY, Tulika	
[474] Observation of top-quark pair production in p+Pb collisions in the ATLAS experiment	MONDAL, Santu	
[334] Lund Plane Reweighting for Jet Substructure Correction at CMS	BENECKE, Anna	
[460] Far-forward production of charm and neutrinos in Forward Physics Facilities	SZCZUREK, Antoni	

[602] Femtosopic measurement of proton source in pp collisions at $\sqrt{s} = 900$ GeV with ALICE.	TOMASSINI, Sofia	
[694] Exploring the $\Lambda(1520)$ resonance in high-multiplicity proton–proton collisions at LHC energies with ALICE	PADHAN, Sonali	
[863] Mean transverse momentum fluctuations in pp collisions at $\sqrt{s} = 13$ TeV using ALICE detector at LHC	Ms ALI, Bushra	
[1520] Search for long-lived heavy neutral leptons decays to lepton and a jet from a displaced vertex at CMS	DARWISH, Mohamed	
[418] The R&D of the MCP based PMTs for High Energy Physics Detectors	QIAN, Sen	
[436] Results of a MUonE scaled detector with 160 GeV muon beam	PILATO, Riccardo	
[548] Particle yield modification in jet-like regions using azimuthal di-hadron correlations in Pb-Pb collisions at 5.36 TeV with ALICE	TRIPATHY, Sushanta	
[772] Phenomenology of matching exponentiated photonic radiation to a QED-corrected parton shower in KKMChh	YOST, Scott Alan	
[867] ALICE charged-particle-jet trigger design in LHC Run 3	KRIZEK, Filip	