



# ICHEP 2022

## Friday, July 8, 2022

**Poster Session (7:05 PM - 8:30 PM)**

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[803] Search for Dark Matter produced in association with a Standard Model Higgs boson decaying to b-quarks using the full Run 2 collision data with the ATLAS detector	GHOSH, Anindya	
[997] A Search of Dark Tridents Using the MicroBooNE Detector	MORA, Luis	
[1015] Low Radioactive Material Screening and Background Estimation for the PandaX-4T Experiment	WU, Mengmeng	
[954] Searching for Dark Matter in top quark production with the CMS experiment	STAFFORD, Dominic	
[776] $B \rightarrow K^{(*)} \nu \bar{\nu}$ in the Standard Model and beyond	PIAZZA, Gioacchino	
[240] Recent results on single top productions in CMS	SOTO RODRIGUEZ, Alejandro	
[347] Measurement of the top quark pole mass using $t\bar{t} + \text{jet}$ events in the dilepton final state at 13 TeV	WUCHTERL, Sebastian	
[26] Electromagnetic dipole moments of the $\tau$ -lepton at the ILC and CLIC	Dr HERNÁNDEZ-RUIZ, María A.	
[416] D-meson average production analysis as a function of multiplicity in pp collisions at $\sqrt{s} = 13$ TeV with ALICE at the LHC	GIACALONE, Marco	
[1179] Mass spectra and radiative decays of single charm baryons in the hyperspherical approach	TAVAKOLINEZHAD, Asadolah	
[564] ATLAS-ITk Pixel Module Loading techniques for HL-LHC	STEWART, Joshua	
[824] Expected tracking and related performance with the future ATLAS Inner Tracker at the HL-LHC	EL GHAZALI, Yassine	
[817] New ATLAS b-tagging algorithm for Run 3	TANASINI, Martino	
[106] Search for a new gauge boson $Z'$ in $4\mu$ events with the ATLAS experiment	YANG, Zhe	
[581] Prospects and challenges for dark sectors with heavy fermions	MCGINNIS, Navin	
[454] A Dark Matter WIMP That Can Be Detected and Definitively Identified with Currently Planned Experiments	ALLEN, Roland	
[844] Towards Understanding the Origin of Cosmic-Ray Electrons	ZHANG, cheng	
[45] HE Stratosphere Event of 1975 Revisited: the Difference between the Patterns of Astroparticle Interaction and LHC Nucleus-Nucleus Collision.	PISKOUNOVA, Olga	
[1279] Experiment for direct measurements of short-lived particle dipole moments at LHC	TONANI, Giorgia	
[851] Daya Bay neutrino oscillation results based on neutron captured on Hydrogen	XU, Tong	
[469] High-energy reactor neutrino flux measurement at Daya Bay	Dr HUANG, Yongbo	

[103] Status of Neutrino Elastic-scattering Observation with NaI(Tl) experiment (NEON)	PARK, byungju	
[805] Not a jet all the way - a search for semi-visible jets in t-channel production mode with ATLAS Run-2 data	SINHA, Sukanya	
[605] Pre-launch optical verification of the Euclid mission NISP Instrument	GABARRA, Louis	
[466] Neutrinos from captured dark matter annihilation in a galactic population of neutron stars	BOSE, Debajit	
[757] Single-differential top quark pair production cross sections with running mass schemes at NLO	MÄKELÄ, Toni	
[652] Machine learning approaches for parameter reweighting for MC samples of top quark production in CMS	GUGLIELMI, Valentina	
[238] Search for new physics in rare heavy-flavor decays at CMS	ARUTA, Caterina	
[64] Strong decay widths and mass spectra of charmed baryons	RAMIREZ MORALES, Andres	
[22] Sensitivity estimates on anomalous couplings of the tau-lepton in pp, e-p and e-e+ colliders	GUTIERREZ-RODRIGUEZ, Alejandro	
[49] Ultra-High Energy Proton-Proton Collision in the Laboratory System as the Source of Proton, Neutrino and Gamma Spectra in Space	PISKOUNOVA, Olga	
[361] LCDAs of heavy hadrons and their first inverse moments	SHUKHTINA, Alisa	
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[94] Higher-order QCD corrections to the Higgs decay into bottom quarks from Padé approximants	LONDON, Cristiane Yumi	
[688] Investigating strangeness production in pp collisions as a function of charged-particle multiplicity and effective energy with ALICE	ERCOLESSI, Francesca	
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[802] The Heavy Flavor Production Fraction Reweighting Procedure in ATLAS	KALAITZIDOU, Ilia	
[1085] Black holes and nilmanifolds: quasinormal modes as fingerprints of extra-dimensions	CHRYSOSTOMOU, Anna	
[1234] A Narrow Mass Window Search for the Axion/ALP Field	BUKHARI, Masroor	
[1329] HIGH-MOUNTAIN BURST DETECTOR FOR STUDYING THE CORES OF EXTENSIVE AIR SHOWERS	Mr YEREZHEP, Nurzhan	
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[813] Calibration of the light jet mistag rate of the ATLAS b-tagger using Z + jets events	PEREIRA SÁNCHEZ, Laura	
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[854] Performance of the trigger-veto detector for Korea Experiments on Magnetic Monopole	Ms KIM, Bobae	
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[1308] The Mu2e experiment at Fermilab: TDAQ and slow control production systems installation	GIOIOSA, Antonio	
[371] A Novel Algorithm to Reconstruct Events in a Water Cherenkov Detector	Prof. YANAGISAWA, Chiaki	
[345] Prototype of a cloud native solution of Machine Learning as Service for HEP	GIOMMI, Luca	
[1035] Strategies of a WLCG Tier-2 site to meet the challenge of ever growing demands on delivery of computing resources	CHUDOBA, Jiří	
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[1144] Implementation of a Portal Dedicated to Higgs Bosons for Experts and the General Public	SOPCZAK, Andre	
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[636] Cosmic Muon Images: REINFORCE muon tomography citizen science demonstrator	AVGITAS, Theodore	
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[511] Probing the hadronic phase of large hadronizing system through the study of the $\Lambda(1520)$ resonance with ALICE at the LHC	Dr AGRAWAL, Neelima	
[735] Hadronic resonance production in small collision systems with ALICE at the LHC	ROSANO, Antonina	
[982] Transverse Sphericity and Multiplicity Dependence of $R_{\text{T}}$ and $P_{\text{T}}$ Correlation Functions in pp Collisions at $\sqrt{s} = 7$ TeV Using PYTHIA8	SAHOO, Baidyanath	

[987] Measurement of $R_{\Delta\eta, \Delta\varphi}^{(2)}$ and $P_{\Delta\eta, \Delta\varphi}^{(2)}$ correlation functions in pp collisions at $\sqrt{s} = 13\sim$ TeV using ALICE data	SAHOO, Baidyanath	
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[377] A pure probabilistic approach to event reconstruction at JUNO	LIU, Xuewei	
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[517] Sensitivity to Heavy Neutral Leptons with the SAND detector at the DUNE ND complex	Mrs GHORBANIMOGHADDAM, Zahra	
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