Seattle Snowmass Summer Meeting 2022

Monday, 18 July 2022

Poster Session: Poster Session - 211 South Ballroom (19:00 - 21:20)

[id] title	presenter	board
[18] Distributed Coupling Linac for Efficient Acceleration of High Charge Electron Bunches	DHAR, Ankur	
[15] Weighing the Axion with Muon Haloscopy	Dr BRAY-ALI, Noah	
[31] The Axion Plasma Haloscope	DEMARTEAU, Marcel	
[32] GAMBIT (The Global and Modular BSM Inference Tool)	CORNELL, Jonathan	
[723] The Southern Wide-field Gamma-Ray Observatory (SWGO)	ENGEL, Kristi	
[331] ADMX Run 1c HiRes Analysis	HIPP, Alexander	
[330] Can tabletop experiments discover the graviton?	DANIELSON, Daine SATISHCHANDRAN, Gautam WALD, Robert M.	
[94] Superconducting Nanowire Single Photon Detectors for sub-GeV Dark Matter Searches	LUSKIN, Jamie	
[91] Stasis in an Expanding Universe: A Recipe for Stable Mixed-Component Cosmological Eras	THOMAS, Brooks	
[82] Search for Neutral Long-lived Particles Decaying in the CMS Endcap Muon Detectors	WANG, Christina	
[80] Bounds on Right Handed Neutrino Parameters from Observable Leptogenesis	SANDNER, Stefan	
[77] Low-Energy Electron-Track Imaging for a Liquid-Argon Time-Projection Chamber using Probabilistic Deep Learning	BUUCK, Micah	
[74] Searching for rare processes in short-baseline neutrino experiments with liquid argon time projection chambers	GE, Guanqun	
[73] Fiber-optic diagnostic system for future accelerator magnets	BALDINI, Maria	
[87] Searching for Wavelike Dark Matter with SRF Cavities	CERVANTES, Raphael	
[68] Improving the hadron EDM upper limit using doubly-magic proton and helion beams	TALMAN, Richard	
[67] Future Compact Multi-TeV e+e- and Gamma-Gamma Collider Opportunities Based on Advanced Plasma and Structure Accelerators	TURNER, Marlene	
[65] Advanced RF Structures for Wakefield Acceleration and High-Gradient Research	LU, Xueying	
[61] Real-time, intelligent data processing for the next-generation of particle imaging detectors	Dr KALRA, Daisy	
[55] MeV Gamma Ray Signatures from Dark Matter Annihilation and Evaporating Primordial Black Holes in the GRAMS Experiment	LEYVA, Jonathan	
[57] Probes of New Physics with MAGIS-100	TEMPLES, Dylan	

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[52] A sample Algorithm Processing Unit implementation with the deployment of the deep neural network model for the Global Event Processor trigger subsystem for HL_LHC Upgrade at ATLAS	JIANG, Zhixing
[51] Graph Neural Network for Large Radius Tracking	WANG, Chun-Yi
[44] U.S. Participation in the next-generation gamma-ray facility, the Cherenkov Telescope Array Observatory	SAHA, Lab
[64] Longitudinally polarized ZZ scattering at a muon collider	YANG, Tianyi
[49] Deep Lorentz Invariants for Particle Physics	Dr BOGATSKII, Alexander OFFERMANN, Jan
[40] Towards an Interpretable Data-driven Trigger System for High-throughput Physics Facilities	TOSCIRI, Cecilia
[37] Higgs boson decay width and couplings at muon collider	GIAMBASTIANI, Luca
[36] Machine-detector interface studies for a multi-TeV muon collider	LECHNER, Anton
[35] Exploring the lifetime and cosmic frontier with the proposed MATHUSLA experiment	PROFFITT, Mason
[63] Study of Electroweak Phase Transition in Exotic Higgs Decays at the CEPC	LI, Ke
[12] Reshaping THz Near-Fields for Efficient Particle Acceleration	GABRIEL, Annika
[30] Anomalous quartic gauge couplings at a muon collider	SCHUY, Alexander
[29] Detector performance for Higgs physics measurements at muon collider	BUONINCONTRI, Laura
[11] High efficiency microwave-optical transduction for quantum sensing and computing	ZORZETTI, Silvia
[60] Modeling TXS 0506+056 Neutrino Flares for AMEGO-X	ENGEL, Kristi
[28] H → μμ at a 3-TeV muon collider	MONTELLA, Alessandro
[24] FASER Tracker Detector - Commissioning, Installation, and Functionality	SHIVELY, Savannah
[20] Low energy calibration and characterization of novel dark matter detectors with a scanning laser device	STIFTER, Kelly
[89] Space quantum technology and planetary data as probes of dark matter profiles	TSAI, Yu-Dai
[23] Quantum Computing Simulation for Collective Neutrino Oscillations	AMITRANO, Valentina
[14] A Novel Dense Fiber Array for Astronomical Spectroscopy	NATHAN, Sayer
[10] Development of a hybrid amorphous selenium/CMOS charge sensor for the Selena neutrino experiment	NI, Xiaochen
[8] Probing axion dark energy using late-time polarized SZ with CMB	HOTINLI, Selim
[5] Muon monitor signal to predict NuMI beam parameters and horn current by applying Machine Learning techniques	WICKREMASINGHE, Don Athula
[9] Probing ultra-light axions with the 21-cm signal during Cosmic Dawn	HOTINLI, Selim
[6] Julia language for HEP analysis: faster time to insight and enabling more complex analysis	LING, Jerry
[4] Testing Lorentz and CPT symmetries in High Energy Collisions	Prof. VIEIRA, Alexandre
[1] Metastable anti-branes	NGUYEN, Nam
[324] Invisible diversity. Are hidden disabilities hiding potential for physics?	PSIHAS OLMEDO, Fernanda
[90] Search for exotic B decays and low mass dimuon resonances using data scouting at CMS	ROUTRAY, Hardik

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KNIRCK, Stefan
LYNN, Morgan
LUSKIN, Jamie
JOHNSON, Seth R.
PATWARDHAN, Amol
GIACCONE, Bianca
ILLA SUBINA, Marc
POWER, John
ZHAO, Yuzhan
Prof. SZYDAGIS, Matthew
NAKAJIMA, Jurina
SPELLER, Danielle
KARMARKAR, Sushrut
KORAKA, Charis Kleio
Dr KAWADA, Shin-ichi
JEWELL, Michael
BEHERA, Biswaranjan
WANG, Yue
CAMERON, Peter
ZHAO, Haoran
MOLNAR, Adam
VELAN, Vetri
LABOUNTY, Joshua
FENG, Qi
BENOIT, William
ZENG, Jiancheng
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BITTER, Olivia

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[38] Studies of tau neutrino appearance at the DUNE Near Detector complex	RAZAFINIME, Soamasina Herilala
[39] CUPID: a next-generation neutrinoless double beta decay experiment.	TORRES, Jorge
[34] Studies of GaN-based avalanche diodes as a primary cell for a solid-state photomultiplier	OTTE, Nepomuk
[27] Fast collider simulations with graph neural networks.	KANSAL, Raghav
[26] PIP2-BD: Searches for new physics with a stopped-pion source at the Fermilab accelerator complex	ZETTLEMOYER, Jacob
[33] The Trinity UHE Neutrino Observatory	OTTE, Nepomuk
[25] Physics Community Needs, Tools, and Resources for Machine Learning	KHODA, Elham E
[21] Neutrino self-interaction: boosting cosmic neutrinos with DSNB	DAS, Anirban
[19] Sensitivity to Decays of Long-Lived Dark Photons at the ILC	NOSLER, Laura
[17] Operational islands in JT gravity	DE VUYST, Julian
[16] Single photon detectors for dark matter axion searches	GHOSH, Sumita
[96] A3D3 Postbaccalaureate Fellowship Program	DUARTE, Javier