2017 Meeting of the APS Division of Particles and Fields (DPF 2017)

Monday, July 31, 2017

Poster Session and Reception - Reception Area (6:00 PM - 8:00 PM)

time	[id] title	presenter
6:00 PM	[4] Gamow penetration factor for nuclear fusion reaction in quantum plasmas	Prof. JUNG, Young-Dae
6:01 PM	[118] Investigation of Beam Emittance and Beam Transport Line Optics on Polarization	Mr FIEDLER, Andrew
6:02 PM	[119] Probing MeV Scale Physics in LArTPCs with Radioactive Calibration Sources	ECHEVERS, Jonathan
6:03 PM	[141] Testing data connections for use with the HL-LHC CMS forward pixel electronics	BALCAZAR, Mario D.
6:04 PM	[75] Real time trigger rate monitoring at CMS	MUELLER, Charles
6:05 PM	[84] Shower reconstruction performance studies for DUNE far detector	Dr GANDRAJULA, Reddy Pratap
6:06 PM	[91] The Cosmological Principle Breaks Down as Superstructures Grow in the Universe	Mr MARSHALL, Cameron
6:07 PM	[104] New fermionic dark matters, extended standard model and cosmic rays	Dr HWANG, Jae-Kwang
6:08 PM	[108] CMS Pixel Detector Upgrade for HL-HLC	CHENG, Yangyang
6:10 PM	[130] Reaching Out for Particle Physics	BARDEEN, Marjorie
6:11 PM	[134] A Flux Spectrometer for LBNF/DUNE	FIELDS, Laura
6:12 PM	[144] Performance Studies of Capacitively Coupled HVCMOS Pixel Sensors Before and After Gamma Irradiation	FRIZZELL, Dylan
6:13 PM	[145] The Low Background Laboratory at Idaho State University	Mr NORRIS, P James
6:14 PM	[148] Search for Dark Interactions with the ATLAS experiment	Dr ASSAMAGAN, Ketevi Adikle
6:15 PM	[162] Measurement of PTFE Reflectance for Xenon Scintillation Light	WANG, Yuhan
6:16 PM	[175] Muon Intensity Increase by Wedge Absorbers	Dr NEUFFER, David
6:17 PM	[193] Testing, Installation, Integration and Performance Studies of a Cosmic Ray Tagging System for the Short Baseline Neutrino Program Far Detector (ICARUS)	Mr HILGENBERG, Christopher
6:18 PM	[195] LBNF Optimized Horn Design & Target Integration	Mr CROWLEY, Cory
6:19 PM	[197] A Minimal non-universal EW extension of the Standard Model: A chiral family of models	Dr BENAVIDES, Richard
6:20 PM	[199] The Mu2e Solenoid Cold Mass Position Monitor System	Dr STRAUSS, Thomas
6:21 PM	[200] A Study of Mass Matrices with Permutational Symmetry for Quark Families	HOLMES, Richard
6:22 PM	[202] Search for vector-like quarks in fully hadronic final states with the ATLAS detector	Mr MADUGODA RALALAGE DON, Madhuranga Thilakasiri
6:23 PM	[207] CosmicWatch: the Desktop Muon Detector	AXANI, Spencer
6:24 PM	[218] The formalization of the relation between wave and particle and the unifying of three kinds of wave-particle duality	Mr GAN, Yongchao

6:25 PM	[123] Background estimation for the electron neutrino appearance analysis in NOvA	CATANO MUR, Erika
6:26 PM	[126] Design of a Nitrogen Cooled Target Shield Pile for the LBNF Beamline	ANGELO, Joseph
6:27 PM	[129] Looking at BNB Neutrinos in the NOvA Near Detector	MURPHY, Ryan
6:28 PM	[140] Tracking Detector Performance and Data Quality in the NOvA Experiment	Mr BEHERA, Biswaranjan
6:29 PM	[142] Prospects for Neutron-Antineutron Oscillation Searches with Convolutional Neural Networks in Liquid Argon Time Projection Chambers	KARAGIORGI, Georgia
6:31 PM	[147] Particle Identification and Kaon Physics in LArIAT	Mr SMITH, Daniel
6:32 PM	[150] Measuring the $t\bar{t}$ Forward-Backward Asymmetry using semi-leptonic final states at 8 TeV with the CMS detector	FENG, lei
6:34 PM	[168] Search for a large muon neutrino magnetic moment in the NOvA Near Detector	Mr WANG, Biao
6:35 PM	[169] Probing new physics scale through dimension-6 operator and enhanced $t\bar{t}h$ and hh production at the LHC	JANA, SUDIP
6:36 PM	[179] An overview of the ANNIE experiment at Fermilab	Dr TIRAS, Emrah
6:37 PM	[182] The NOvA Data Driven Trigger	JUDAH, Matthew
6:38 PM	[184] A Panel Prototype for the Mu2e Straw Tube Tracker at Fermilab	LUCÀ, Alessandra
6:39 PM	[189] LAr Scintillation Light Detection, Simulation and Analysis in LArIAT	KRYCZYNSKI, Pawel
6:40 PM	[191] NNLO QCD Predictions of W and Z Bosons in proton-proton collisions at 7, 8, 13, 14 and 100 TeV Center of Mass Energies	Dr TIRAS, Emrah
6:41 PM	[199] NOvA Short-Baseline Tau Neutrino Appearance Search	Mr KELOTH, Rijeesh
6:42 PM	[304] Calibration of gBlocks using Offline Jets for the gFEX Subsystem of the ATLAS Level 1 Calorimeter Trigger	SNYDER, Ian
6:43 PM	[310] Cross Section Predictions of W/Z + Jets at LHC	Dr TIRAS, Emrah
6:44 PM	[314] Skimming tau neutrinos and tau showers in the atmosphere	Prof. RENO, Mary Hall
6:45 PM	[325] Design, construction and characterization of a three channel of cosmic ray detector	Mr MORENO PALACIOS, Oscar Eduardo
6:46 PM	[329] Towards a new approach to cosmology with the Dark Energy Survey and Gravitational Waves	Dr SOARES-SANTOS, Marcelle
6:47 PM	[330] DES & Planck survey: Galaxy group-tSZ cross correlation	VIKRAMAN, Vinu
6:48 PM	[334] Photometric Properties and Stellar Masses in Dark Energy Survey Galaxy Clusters	WELCH, Brian
6:49 PM	[335] A search for BH dark matter using microlensing in the Dark Energy Survey	ANNIS, James
6:50 PM	[337] Charged Lepton Flavor Violation in Electron-Positron Scattering: Calculations of Cross Section and Asymmetry Using an Effective Field Theory	Mr LI, Ching
6:51 PM	[338] Zero-Range Effective Field Theory for Resonant Wino Dark Matter	JOHNSON, Evan
6:52 PM	[339] Impact of Neutrino Decay on Sterile Neutrino Search in IceCube	MOULAI, Marjon
6:53 PM	[343] Full TPC Signal and Noise Simulation	Ms RUSSELL, Brooke
6:54 PM	[346] Studies of Radiation Damage to Silicon Photomultipliers	Dr UZUNYAN, Sergey
6:55 PM	[348] Drifted Charge Extraction in Single Phase LArTPCs	Dr JOSHI, JYOTI
6:56 PM	[352] Liquid argon test of the ARAPUCA device at the National Laboratory of Synchrotron Light in Campinas (São Paulo)	Mrs GUZZO, Marina

6:57 PM	[353] Pion Production Measurements at MINERvA	Prof. DIAZ, Gonzalo
6:58 PM	[365] MuSim, a Graphical User Interface for Multiple Simulation Codes	Dr CUMMINGS, Mary Anne
6:59 PM	[376] Pre-production and quality assurance of the Mu2e Silicon Photomultipliers	Mrs DONGHIA, Raffaella
7:00 PM	[378] NuMI Target and Horn Studies for NOvA	Ms TRIPATHI, Jyoti
7:01 PM	[382] Data Acquisition and Triggering for the KOTO Experiment	Ms HUTCHESON, Melissa
7:02 PM	[385] Large Neutrino Mixing Angles in Minimal SO(10) Unification	SAAD, Shaikh
7:03 PM	[387] Cosmic Ray Backgrounds in the Mu2e Experiment at Fermilab	Dr EHRLICH, Ralf
7:04 PM	[391] Muon Tomography of Galeras Volcano: first results leaded by young scientists in Colombia	Dr TAPIA, Alex Dr MARTINEZ CAICEDO, David
7:05 PM	[392] Radiopurity Screening and Radiological Simulation for DUNE	STOCK, Jason
7:06 PM	[394] Sterile neutrino search in the NOvA Far Detector.	Mr EDAYATH, SIJITH
7:07 PM	[410] Exploring end-to-end image-based deep learning for particle & event classification	ANDREWS, Michael
7:08 PM	[427] Observing Neutrinos from the Next Galactic Supernova with the NOvA Detectors	VASEL, Justin
7:09 PM	[434] Design and Simulation of the IsoDAR RFQ Direct Injection System and Spiral Inflector	WEIGEL, Philip
7:10 PM	[435] Seasonal Variations of multiple-muons in NOvA	Prof. SCHREINER, Philip
7:12 PM	[451] ProtoDUNE Trigger Study	RIVERA, David SENSENIG, Jonathon
7:13 PM	[457] Ongoing Community Efforts in Machine Learning in Particle Physics	Ms PSIHAS, Fernanda GLEYZER, Sergei
7:14 PM	[470] Silicon and Germanium Ionization Yield Measurements with Neutron Beams	HONG, Ziqing
7:15 PM	[481] A uniform magnetic field generator system and a Cu hybrid cosmic ray detector of 4 channels	Mr ROSAS-TORRES, Francisco Prof. FELIX, Julian Ms HERRERA GUZMAN, Karla Natalia Mr GUTIERREZ SANCHEZ, Raul Alejandro
7:16 PM	[484] Effects of Magnetic Horn Geometry Uncertainty on Neutrino Flux at DUNE	ERIC, Amador
7:17 PM	[485] A particle hypothesis based approach for energy estimation in muon neutrino charged current events at NOvA	Dr SMITH, Erica
7:18 PM	[487] Studies of effect of aging and studies to optimize scintillation counter response for the Mu2e Cosmic Ray Veto System	Mr ZADEH, Pedrom FARRIS, Peter
7:25 PM	[935] R&D Toward Ton-Scale HPGXe Neutrinoless Double Beta Decay Experiments	ROGERS, Leslie
7:26 PM	[952] Site characterization for ground-based CMB observations with a 183GHz radiometer	LARSEN, Nicole