

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

Monday, 31 July 2017

Poster Session and Reception - Reception Area (18:00 - 20:00)

time	[id] title	presenter
18:00	[4] Gamow penetration factor for nuclear fusion reaction in quantum plasmas	Prof. JUNG, Young-Dae
18:01	[18] Investigation of Beam Emittance and Beam Transport Line Optics on Polarization	Mr FIEDLER, Andrew
18:02	[19] Probing MeV Scale Physics in LArTPCs with Radioactive Calibration Sources	ECHEVERS, Jonathan
18:03	[41] Testing data connections for use with the HL-LHC CMS forward pixel electronics	BALCAZAR, Mario D.
18:04	[75] Real time trigger rate monitoring at CMS	MUELLER, Charles
18:05	[84] Shower reconstruction performance studies for DUNE far detector	Dr GANDRAJULA, Reddy Pratap
18:06	[91] The Cosmological Principle Breaks Down as Superstructures Grow in the Universe	Mr MARSHALL, Cameron
18:07	[104] New fermionic dark matters, extended standard model and cosmic rays	Dr HWANG, Jae-Kwang
18:08	[108] CMS Pixel Detector Upgrade for HL-LHC	CHENG, Yangyang
18:10	[130] Reaching Out for Particle Physics	BARDEEN, Marjorie
18:11	[134] A Flux Spectrometer for LBNF/DUNE	FIELDS, Laura
18:12	[144] Performance Studies of Capacitively Coupled HVCMOS Pixel Sensors Before and After Gamma Irradiation	FRIZZELL, Dylan
18:13	[145] The Low Background Laboratory at Idaho State University	Mr NORRIS, P James
18:14	[148] Search for Dark Interactions with the ATLAS experiment	Dr ASSAMAGAN, Ketevi Adikle
18:15	[162] Measurement of PTFE Reflectance for Xenon Scintillation Light	WANG, Yuhan
18:16	[175] Muon Intensity Increase by Wedge Absorbers	Dr NEUFFER, David
18:17	[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
18:18	[195] LBNF Optimized Horn Design & Target Integration	Mr CROWLEY, Cory
18:19	[197] A Minimal non-universal EW extension of the Standard Model: A chiral family of models	Dr BENAVIDES, Richard
18:20	[199] The Mu2e Solenoid Cold Mass Position Monitor System	Dr STRAUSS, Thomas
18:21	[200] A Study of Mass Matrices with Permutational Symmetry for Quark Families	HOLMES, Richard
18:22	[202] Search for vector-like quarks in fully hadronic final states with the ATLAS detector	Mr MADUGODA RALALAGE DON, Madhuranga Thilakasiri
18:23	[207] CosmicWatch: the Desktop Muon Detector	AXANI, Spencer
18:24	[218] The formalization of the relation between wave and particle and the unifying of three kinds of wave-particle duality	Mr GAN, Yongchao

18:25	[223] Background estimation for the electron neutrino appearance analysis in NOvA	CATANO MUR, Erika
18:26	[226] Design of a Nitrogen Cooled Target Shield Pile for the LBNF Beamline	ANGELO, Joseph
18:27	[229] Looking at BNB Neutrinos in the NOvA Near Detector	MURPHY, Ryan
18:28	[240] Tracking Detector Performance and Data Quality in the NOvA Experiment	Mr BEHERA, Biswaranjan
18:29	[242] Prospects for Neutron-Antineutron Oscillation Searches with Convolutional Neural Networks in Liquid Argon Time Projection Chambers	KARAGIORGI, Georgia
18:31	[247] Particle Identification and Kaon Physics in LArIAT	Mr SMITH, Daniel
18:32	[250] Measuring the $t\bar{t}$ Forward-Backward Asymmetry using semi-leptonic final states at 8 TeV with the CMS detector	FENG, lei
18:34	[268] Search for a large muon neutrino magnetic moment in the NOvA Near Detector	Mr WANG, Biao
18:35	[269] Probing new physics scale through dimension-6 operator and enhanced $t\bar{t}h$ and hh production at the LHC	JANA, SUDIP
18:36	[279] An overview of the ANNIE experiment at Fermilab	Dr TIRAS, Emrah
18:37	[282] The NOvA Data Driven Trigger	JUDAH, Matthew
18:38	[284] A Panel Prototype for the Mu2e Straw Tube Tracker at Fermilab	LUCÀ, Alessandra
18:39	[289] LAr Scintillation Light Detection, Simulation and Analysis in LArIAT	KRYCZYNSKI, Pawel
18:40	[291] 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
18:41	[299] NOvA Short-Baseline Tau Neutrino Appearance Search	Mr KELOTH, Rijeesh
18:42	[304] Calibration of gBlocks using Offline Jets for the gFEX Subsystem of the ATLAS Level 1 Calorimeter Trigger	SNYDER, Ian
18:43	[310] Cross Section Predictions of W/Z + Jets at LHC	Dr TIRAS, Emrah
18:44	[314] Skimming tau neutrinos and tau showers in the atmosphere	Prof. RENO, Mary Hall
18:45	[325] Design, construction and characterization of a three channel of cosmic ray detector	Mr MORENO PALACIOS, Oscar Eduardo
18:46	[329] Towards a new approach to cosmology with the Dark Energy Survey and Gravitational Waves	Dr SOARES-SANTOS, Marcelle
18:47	[330] DES & Planck survey: Galaxy group-tSZ cross correlation	VIKRAMAN, Vinu
18:48	[334] Photometric Properties and Stellar Masses in Dark Energy Survey Galaxy Clusters	WELCH, Brian
18:49	[335] A search for BH dark matter using microlensing in the Dark Energy Survey	ANNIS, James
18:50	[337] Charged Lepton Flavor Violation in Electron-Positron Scattering: Calculations of Cross Section and Asymmetry Using an Effective Field Theory	Mr LI, Ching
18:51	[338] Zero-Range Effective Field Theory for Resonant Wino Dark Matter	JOHNSON, Evan
18:52	[339] Impact of Neutrino Decay on Sterile Neutrino Search in IceCube	MOULAI, Marjon
18:53	[343] Full TPC Signal and Noise Simulation	Ms RUSSELL, Brooke
18:54	[346] Studies of Radiation Damage to Silicon Photomultipliers	Dr UZUNYAN, Sergey
18:55	[348] Drifted Charge Extraction in Single Phase LArTPCs	Dr JOSHI, JYOTI
18:56	[352] Liquid argon test of the ARAPUCA device at the National Laboratory of Synchrotron Light in Campinas (São Paulo)	Mrs GUZZO, Marina

18:57	[353] Pion Production Measurements at MINERvA	Prof. DIAZ, Gonzalo
18:58	[365] MuSim, a Graphical User Interface for Multiple Simulation Codes	Dr CUMMINGS, Mary Anne
18:59	[376] Pre-production and quality assurance of the Mu2e Silicon Photomultipliers	Mrs DONGHIA, Raffaella
19:00	[378] NuMI Target and Horn Studies for NOvA	Ms TRIPATHI, Jyoti
19:01	[382] Data Acquisition and Triggering for the KOTO Experiment	Ms HUTCHESON, Melissa
19:02	[385] Large Neutrino Mixing Angles in Minimal SO(10) Unification	SAAD, Shaikh
19:03	[387] Cosmic Ray Backgrounds in the Mu2e Experiment at Fermilab	Dr EHRlich, Ralf
19:04	[391] Muon Tomography of Galeras Volcano: first results led by young scientists in Colombia	Dr TAPIA, Alex Dr MARTINEZ CAICEDO, David
19:05	[392] Radiopurity Screening and Radiological Simulation for DUNE	STOCK, Jason
19:06	[394] Sterile neutrino search in the NOvA Far Detector.	Mr EDAYATH, SIJITH
19:07	[410] Exploring end-to-end image-based deep learning for particle & event classification	ANDREWS, Michael
19:08	[427] Observing Neutrinos from the Next Galactic Supernova with the NOvA Detectors	VASEL, Justin
19:09	[434] Design and Simulation of the IsoDAR RFQ Direct Injection System and Spiral Inflector	WEIGEL, Philip
19:10	[435] Seasonal Variations of multiple-muons in NOvA	Prof. SCHREINER, Philip
19:12	[451] ProtoDUNE Trigger Study	RIVERA, David SENENIG, Jonathon
19:13	[457] Ongoing Community Efforts in Machine Learning in Particle Physics	Ms PSIHAS, Fernanda GLEYZER, Sergei
19:14	[470] Silicon and Germanium Ionization Yield Measurements with Neutron Beams	HONG, Ziqing
19:15	[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
19:16	[484] Effects of Magnetic Horn Geometry Uncertainty on Neutrino Flux at DUNE	ERIC, Amador
19:17	[485] A particle hypothesis based approach for energy estimation in muon neutrino charged current events at NOvA	Dr SMITH, Erica
19:18	[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
19:25	[535] R&D Toward Ton-Scale HPGXe Neutrinoless Double Beta Decay Experiments	ROGERS, Leslie
19:26	[552] Site characterization for ground-based CMB observations with a 183GHz radiometer	LARSEN, Nicole