

IoP HEPP and AP joint meeting

Tuesday, 22 March 2016

Parallel session 3: Session 3A - Chichester Lecture Theatre (16:30 - 18:00)

time	[id] title	presenter
16:30	[51] Search for new resonances decaying to a W or Z boson and a Higgs in 0,1,2 lepton channels in pp collisions at 13 TeV with the ATLAS detector	JIGGINS, Stephen
16:45	[52] Search for beyond SM Higgs boson decaying to two tau leptons in Run-II ATLAS	HAMITY, Guillermo Nicolas
17:00	[53] Perturbative unitarity bound on the parameter space in composite two Higgs doublet models. Emine Yildirim, University of Southampton, UK	
17:15	[54] MonoH to bb in association with dark matter	BACA, Matt
17:30	[55] Searches for neutral BSM Higgs bosons with final states containing two taus	DE WIT, Adinda
17:45	[56] The search for high mass resonances in Diboson decays at ATLAS in Run-2	ENNIS, Joseph Stanford ENNIS, Joseph Stanford

Parallel session 3: Session 3B - Pevensey 1, Level 1 A06 (1A06) (16:30 - 18:00)

time	[id] title	presenter
16:30	[57] Search for supersymmetry in pp collisions at CMS at a centre of mass energy of 13 TeV	SMITH, Dominic
16:45	[58] Summary of searches for the electroweak production of supersymmetric particles in $\sqrt{s}=8$ TeV pp collisions in ATLAS	SANTOYO CASTILLO, Itzabelt SANTOYO CASTILLO, Itzabelt
17:00	[59] Data-driven background estimation techniques used in ATLAS searches for SUSY	MACDONALD, Calum Michael
17:15	[60] Direct stop pair production in the fully hadronic channel at ATLAS	LEWIS, Dave

Parallel session 3: Session 3C - Pevensey 1, Level 1 A07 (1A07) (16:30 - 18:00)

time	[id] title	presenter
16:30	[61] NC gamma, an exclusive channel for neutrino photo-production in GENIE neutrino event generator. Pierre Lasarak, Queen Mary, University of London, UK	
16:45	[62] Nucleon final state interaction in NEUT	MA, Wing Yan
17:00	[63] A truth study using transverse variables to characterise nuclear effects in neutrino–nucleus scattering	PICKERING, Luke
17:15	[64] Neutrino coherent pion production	MARTINS, Paul
17:30	[66] Shower reconstruction in LAr for the detection of pi0s in the DUNE far detector. Michael Wallbank, University of Sheffield, UK	WALLBANK, Michael
17:45	[65] Particle Identification in the 35 ton and Cosmogenic simulations. Thomas Warburton, University of Sheffield, UK	Mr WARBURTON, Thomas

Parallel session 3: Session 3D - Pevensey 1, Level 2 D10 (2D10) (16:30 - 18:00)

time	[id] title	presenter
16:30	[67] Liquid level monitoring with a differential capacitive sensor for the LUX-ZEPLIN dark matter experiment. Fengting Liao, University of Oxford, UK	LIAO, FengTing
16:45	[68] Simplified readout for CYGNUS-TPC: a massive directional dark matter detector. Anthony Ezeribe, University of Sheffield, UK	
17:00	[69] Prospects for the direct detection of dark matter with inelastic transitions of xenon	MCCABE, Christopher MCCABE, Christopher
17:15	[70] UK materials screening for the LZ dark matter direct detection experiment and future rare event searches	DOBSON, James Edward Young
17:30	[71] Boulby Underground Laboratory: update of science hosted and infrastructure for new projects. Chris Toth, STFC, UK	
17:45	[72] Radio-purity strategy for the SuperNEMO experiment. Xinran Liu, University College London, UK	

Parallel session 3: Session 3E - Pevensey 1, Level 2 D11 (2D11) (16:30 - 18:00)

time	[id] title	presenter
16:30	[73] Reactor monitoring with T2K anti-neutrino technology	SCHNELLBACH, Yan Jie
16:45	[74] Muon radiography for carbon storage monitoring	WOODWARD, David
17:00	[75] Prototype atom interferometer for fundamental physics. David Morris, University of Liverpool, UK	
17:15	[76] Fabrication and characterisation of 3D diamond detectors	MURPHY, Steven Alexander
17:30	[77] 3D diamond detector development	FORCOLIN, Giulio Tiziano