

IoP Joint HEPP and APP Annual Conference 2019

Monday 8 April 2019

Parallel stream 4: Session 1 - Huxley 311 (14:00 - 16:30)

-Conveners: Roger Jones; Patrick James Dunne; Patrick James Dunne; Patrick James Dunne

time	[id] title	presenter
14:00	[44] Prospects for ttZ measurements at ATLAS with the full 140 fb ⁻¹ Run 2 dataset	RAVINA, Baptiste
14:15	[96] Low Energy? Think Positive!	MELVILLE, Scott
14:30	[45] Search for the supersymmetric partner to the top quark in the all-hadronic channel with the ATLAS Detector.	ANTHONY, Matthew Thomas
14:45	[25] Constraining Systematics at T2K with Near-Detector Fits	PARKER, William Charles
15:00	[26] The High Pressure gas Time Projection Chamber: a Future Neutrino Detector	NONNENMACHER, Toby Sean
15:15	[75] Update on the measurement of the Unitarity Triangle angle γ using B \rightarrow D(*)K(*) decays at LHCb	Ms ROLLINGS, Alexandra Paige
15:30	[49] Angular analysis of B \rightarrow K π ee at the LHCb experiment	MADDRELL-MANDER, Samuel William
15:45	[50] Branching fraction measurement of B \rightarrow $\pi^+\pi^-\mu^+\mu^-$ using Run 1 and Run 2 LHCb data	MILLARD, Edward James

Tuesday 9 April 2019

Parallel stream 4: Session 2 - Huxley 311 (11:00 - 13:00)

-Conveners: Francesca Di Lodovico; Vukasin Milosevic

time	[id] title	presenter
11:00	[69] Matter density profile effects on neutrino oscillations at T2HK and T2HKK	MOLINA SEDGWICK, Susana
11:15	[70] Optical calibration design for the Hyper-Kamiokande Outer Detector	PIDCOTT, Celeste
11:30	[71] A New Jet Pairing Method for Reconstructing HH \rightarrow $b\bar{b}b\bar{b}$ Events	STANISLAUS, Beojan
11:45	[72] Advances and challenges in the full run 2 search of boosted di-higgs decaying to $b\bar{b}b\bar{b}$ with the ATLAS detector	PAREDES SAENZ, Santiago Rafael
12:00	[73] Angular Analysis of the B \rightarrow K* $\mu\mu$ decay at the LHCb Experiment	KRESS, Felix Johannes
12:15	[74] Determination of hadronic resonance contributions to the B0 \rightarrow K*0 $\mu\mu$ decay	HECKER, Malte

Wednesday 10 April 2019

Parallel stream 4: Session 3 - Huxley 311 (11:00 - 13:00)

-Conveners: Nicholas Wardle; Edward Thomas Atkin; Melissa Anne Uchida

time	[id] title	presenter
11:00	[93] Searching for the Invisible using cross-section ratios	KONSTANTINIDES, Vasilis
11:15	[94] Search for low-mass WIMPs with the DarkSide-50 experiment	AGNES, Paolo
11:30	[95] The Darkside-20k experiment	SANTONE, Daria
11:45	[97] Combined Search for an Invisibly Decaying Higgs Boson in Hadronic Channels at $\sqrt{s} = 13$ TeV with CMS	BHAL, Eshwen
12:00	[67] Search for decays of the Higgs Boson to bottom quarks via Associated Vector Boson production at the ATLAS experiment	SPITERI, Dwayne
12:15	[98] The search for invisibly decaying Higgs bosons at the LHC	MILOSEVIC, Vukasin