

2019 Meeting of the Division of Particles & Fields of the American Physical Society

Tuesday, July 30, 2019

Higgs & Electroweak Physics - Shillman 315 (2:00 PM - 3:32 PM)

-Conveners: Ashutosh Kotwal; Ashutosh Kotwal; Zhen Liu; Caterina Vernieri; David Sperka; Alberto Belloni

time	[id] title	presenter
2:00 PM	[19] Physics at FCC-ee	KLUTE, Markus
2:23 PM	[31] Status of the Circular Electron Positron Collider Project and Perspectives	BARREIRO GUIMARAES DA COSTA, Joao
2:45 PM	[351] The global SMEFT fit at e+e- Higgs factories: What is the role of each measurement?	Dr TIAN, Junping
3:08 PM	[89] Higgs exotic decays at e+e- Higgs factories	LIU, Zhen

Higgs & Electroweak Physics - Shillman 315 (4:00 PM - 6:00 PM)

-Conveners: Caterina Vernieri; Zhen Liu; Alberto Belloni; David Sperka; Ashutosh Kotwal; Ashutosh Kotwal

time	[id] title	presenter
4:00 PM	[96] Search for the Higgs boson decaying to a pair of muons in pp collisions at 13 TeV with the ATLAS detector	CHAN, Jay
4:20 PM	[320] Rare Higgs Decays into Quarkonia Pairs	Mr ACHARYA, Himal
4:40 PM	[92] Measurement of Higgs boson production in association with a $t\bar{t}$ pair in the diphoton decay channel using 139 fb ⁻¹ of LHC data collected at $\sqrt{s} = 13$ TeV by the ATLAS experiment	ZHOU, Chen
5:00 PM	[112] Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV	BLOOM, Kenneth
5:20 PM	[119] Search for $t\bar{t}H$ production in the $H \rightarrow b\bar{b}$ decay channel at CMS	DATTA, Abhisek
5:40 PM	[251] "Measurement of $t\bar{t}H$ production in multileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector"	NARAYAN, Rohin Thampilali

Wednesday, July 31, 2019

Higgs & Electroweak Physics - Shillman 315 (2:00 PM - 3:30 PM)

-Conveners: Alberto Belloni; David Sperka; Ashutosh Kotwal; Ashutosh Kotwal; Zhen Liu; Caterina Vernieri

time	[id] title	presenter
2:00 PM	[126] Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW^{(*)} \rightarrow e\nu\mu\nu$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	LU, Yun-Ju
2:23 PM	[140] Reducing the Spurious Signal Systematic Uncertainty in Higgs to Diphoton Analyses in the ATLAS Experiment Using Gaussian Process Regression	HYNEMAN, Rachel Jordan
2:45 PM	[150] Future prospects for Higgs physics at the LHC and beyond	PELLICCIONI, Mario
3:08 PM	[184] R-Parity Violating Supersymmetry and the 125 GeV Higgs signals	COHEN, jonathan

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time	[id] title	presenter
4:00 PM	[95] Search for di-Higgs production in the $HH \rightarrow b\bar{b}\gamma\gamma$ decay channel with the ATLAS detector	WANG, Alex Zeng
4:24 PM	[392] Search for Di-Higgs Signals Decaying into 4 b-jets Produced in Association with Two Forward Jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	SWIATLOWSKI, Maximilian J
4:48 PM	[185] Search for resonant production of HH decaying to the $bbZZ$ final state at CMS	HORTIANGTHAM, Apichart
5:12 PM	[430] Higgs boson mass measurement using $H \rightarrow ZZ \rightarrow 4l$ decays at CMS	ROSENZWEIG, Jake
5:36 PM	[353] Predictions for the Higgs boson mass measurement precision as a function of its transverse momentum up to 1 TeV for LHC and high luminosity LHC	KROPIVNITSKAYA, Anna

Thursday, August 1, 2019

Higgs & Electroweak Physics - Shillman 315 (2:00 PM - 3:57 PM)

-Conveners: David Sperka; Ashutosh Kotwal; Zhen Liu; Ashutosh Kotwal; Alberto Belloni; Caterina Vernieri

time	[id] title	presenter
2:00 PM	[476] Shape of Higgs Potential at Future Colliders	YU, Jianghao
2:22 PM	[416] Higgs-Precision Constraints on Colored Naturalness	ZHONG, Yiming
2:45 PM	[391] Probing Non-Universal Theories Through Higgs Processes at the LHC	CHIU, Wen Han
3:07 PM	[187] Unearthing kinematic information in WH production	HOMILLER, Samuel

Higgs & Electroweak Physics - Shillman 315 (4:00 PM - 6:00 PM)

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time	[id] title	presenter
4:00 PM	[384] Evidence for the WWW triboson production with the ATLAS detector	XU, Wenhao
4:24 PM	[214] Search for heavy ZZ resonances in the $ZZ \rightarrow \nu\nu$ final states with the ATLAS detector	LI, Jing
4:48 PM	[181] Recent measurements of electroweak boson properties at D0	BLOOM, Kenneth
5:12 PM	[144] Study of VBS ZZ production associating two jets with the ATLAS experiment	ZHANG, Shuzhou
5:36 PM	[457] Precision measurements of Z and W boson properties at CMS	RAINBOLT, Jessica Lovelace