

Higgs 2020

Tuesday, October 27, 2020

Parallel: Di-Higgs and self-coupling I (12:30 PM - 2:00 PM)

-Conveners: Katharine Leney; Mauro Donega; Christoph Peter Englert

time	[id] title	presenter
12:30 PM	[114] Searches for new resonances decaying to HH at CMS (15'+5')	PANWAR, Lata
12:50 PM	[115] Searches for new resonances decaying to HH at ATLAS (15'+5')	ZHANG, Bowen
1:10 PM	[116] WBF/GF HH resonances from a phenomenological perspective (15'+5')	Dr BARMAN, Rahool Kumar
1:30 PM	[117] BSM scenarios with HH resonances (15'+5')	MUHLLEITNER, Milada MUHLLEITNER, Milada

Parallel: Precision Higgs I (12:30 PM - 2:00 PM)

-Conveners: Sarah Heim; Bernhard Mistleberger; Alicia Calderon Tazon

time	[id] title	presenter
12:30 PM	[81] [ATLAS+CMS] Differential Higgs cross section as a function of p_T (15'+5')	FONTANESI, Elisa
12:50 PM	[82] Fixed Order Predictions for Higgs Boson Production at Large Transverse Momentum (15'+5')	LINDERT, Jonas
1:10 PM	[83] Event Generation for Higgs Boson Production at Large Transverse Momentum (15'+5')	VRYONIDOU, Eleni
1:30 PM	[112] Combined resummation for Higgs transverse momentum distribution (15'+5')	RABEMANANJARA, Tanjona Radonirina RABEMANANJARA, Tanjona Radonirina

Parallel: Yukawa couplings I (12:30 PM - 2:00 PM)

-Conveners: Tamara Vazquez Schroeder; Yotam Soreq; Chris Palmer

time	[id] title	presenter
12:30 PM	[88] Overview Yukawa coupling (15'+5')	BISHARA, Fady Adibsamy
12:50 PM	[99] b Yukawa ($H \rightarrow bb$) [ATLAS+CMS] (15'+5')	CAMACHO TORO, Reina Coromoto
1:10 PM	[102] c Yukawa ($H \rightarrow cc$) [ATLAS+CMS] (15'+5')	BURKLE, Bjorn
1:30 PM	[91] Higgs prospects with LHCb and its upgrades (15'+5')	ZULIANI, Davide

Parallel: Di-Higgs and self-coupling II (2:20 PM - 4:00 PM)

-Conveners: Katharine Leney; Christoph Peter Englert; Mauro Donega

time	[id] title	presenter
2:20 PM	[118] Searches for non-resonant Higgs pair-production at ATLAS (15'+5')	VEATCH, Jason Robert

2:40 PM	[119] Searches for non-resonant Higgs pair-production at CMS (15'+5')	MUKHERJEE, Soumya
3:00 PM	[120] SM DiHiggs precision shapes (15'+5')	GLAUS, Seraina GLAUS, Seraina
3:20 PM	[121] Non-resonant/EFT Higgs pair phenomenology (15'+5')	ZURITA, José Francisco
3:40 PM	[164] Discussion	

Parallel: Precision Higgs II (2:20 PM - 4:00 PM)

-Conveners: Bernhard Mistleberger; Sarah Heim; Alicia Calderon Tazon

time	[id] title	presenter
2:20 PM	[97] [ATLAS+CMS] Higgs production (combination and selected per-channel measurements - VBF H->WW, VHbb particularly interesting. No STXS) (15'+5')	BASSO, Matthew
2:40 PM	[113] [ATLAS+CMS] Fiducial and differential Higgs cross sections (except for Higgs transverse momentum) (15'+5')	FASSOULIOTIS, Dimitris
3:00 PM	[98] Bottom quark mass effects in associated Higgs production at NNLO (15'+5')	BEHRING, Arnd
3:20 PM	[101] Jet Veto Cross Sections for Higgs Boson Production	GANGAL, Shireen
3:40 PM	[163] Discussion	

Parallel: Yukawa couplings II (2:20 PM - 4:00 PM)

-Conveners: Tamara Vazquez Schroeder; Chris Palmer; Yotam Soreq

time	[id] title	presenter
2:20 PM	[92] CP violation (15'+5')	BROD, Joachim
2:40 PM	[93] Tau coupling (H> $\tau\tau$, CP violation) [ATLAS+CMS] (15'+5')	LOELIGER, Andrew David
3:00 PM	[94] H> $\mu\mu$ and baryogenesis (15'+5')	VIERNIK, Yehonatan
3:20 PM	[95] H> $\mu\mu$ [ATLAS] (15')	MUSKINJA, Miha
3:35 PM	[96] H> $\mu\mu$ [CMS] (15')	RIEGER, Jan Oliver
3:50 PM	[150] H>mumu Discussion	

Wednesday, October 28, 2020

Parallel: Beyond the Standard Model I (12:30 PM - 2:00 PM)

-Conveners: stefania gori; Jana Schaarschmidt; Cecile Sarah Caillol

time	[id] title	presenter
12:30 PM	[137] Additional neutral heavy Higgs in fermion decays (mumu, tautau, bb, ttbar) at ATLAS and CMS (15' + 7')	BARAK, Liron
12:52 PM	[138] Additional neutral heavy Higgs in diboson decays (WW, ZZ, gamgam) and A->ZH at ATLAS and CMS (15' + 7')	DUDA, Dominik
1:14 PM	[135] Interference effects in heavy Higgs searches (15' + 7')	LIU, Zhen
1:36 PM	[136] Heavy Higgs in neutral naturalness models (Cancelled)	

Parallel: Effective Field Theory I (12:30 PM - 2:00 PM)

-Conveners: Brivio Ilaria; Nicolas Berger; Andrew Gilbert

time	[id] title	presenter
12:30 PM	[126] Higgs EFT measurements in ATLAS (25' + 5')	MOSER, Brian
1:00 PM	[147] Higgs EFT results from CMS (25' + 5')	SHARMA, Ashish
1:30 PM	[128] geoSMEFT and applications (15' + 5')	TROTT, Michael Robert
1:50 PM	[129] Discussion (10')	

Parallel: Precision Higgs III (12:30 PM - 2:00 PM)

-Conveners: Sarah Heim; Alicia Calderon Tazon; Bernhard Mistleberger

time	[id] title	presenter
12:30 PM	[105] [ATLAS+CMS] Combined Higgs measurements STXS and kappas, including kappa interpretations (15'+5')	MUNGO, Davide Pietro
12:50 PM	[106] [ATLAS+CMS] Higgs-vector boson CP studies, incl. H->4l anomalous couplings and H->tautau VBF CP (15'+5')	KIM, Doyeong
1:10 PM	[100] Monte-Carlo Uncertainties for Higgs Boson Production in Vector Boson Fusion (15'+5')	Dr KARLBERG, Alexander
1:30 PM	[107] [ATLAS+CMS] Higgs mass measurements (15'+5')	ERRICO, Filippo

Parallel: Beyond the Standard Model II (2:20 PM - 3:50 PM)

-Conveners: Jana Schaarschmidt; Cecile Sarah Caillol; stefania gori

time	[id] title	presenter
2:20 PM	[140] Additional neutral light Higgs at ATLAS and CMS (15' + 7')	PEREZ ADAN, Danyer
2:42 PM	[141] Charged Higgs at ATLAS and CMS (15' + 7')	Dr ATTIKIS, Alexandros
3:04 PM	[139] Composite Higgs models (15' + 7')	LIU, Da
3:26 PM	[142] Higgs exotic decays (15' + 7')	SHUVE, Brian

Parallel: Effective Field Theory II (2:20 PM - 3:50 PM)

-Conveners: Nicolas Berger; Ilaria Brivio; Andrew Gilbert

time	[id] title	presenter
2:20 PM	[133] Controlling uncertainties of the IAM dispersive unitary extension of EFTs (15' + 5')	SALAS-BERNÁRDEZ, Alexandre
2:40 PM	[148] Constraining SMEFT operators with associated $\chi\chi$ production in Weak Boson Fusion (15' + 5')	GREGG, Parisa
3:00 PM	[130] Putting SMEFT Fits to Work (15' + 5')	HOMILLER, Samuel
3:20 PM	[131] JHU generator framework: new features for Higgs boson studies (15' + 5')	SARICA, Ulascan
3:40 PM	[149] Discussion (10')	

Parallel: Precision Higgs IV (2:20 PM - 3:50 PM)

-Conveners: Bernhard Mistleberger; Alicia Calderon Tazon; Sarah Heim

time	[id] title	presenter
2:20 PM	[108] Projections for Higgs measurements at the HL-LHC (15'+5')	DUTTA, Irene
2:40 PM	[109] Parton Distribution Functions for Higgs Physics at the HL-LHC (15'+5')	Dr HARLAND-LANG, Lucian
3:00 PM	[110] Electroweak Couplings of the Higgs Boson at a Multi-TeV Muon Collider (15'+5')	WANG, Xing
3:20 PM	[111] Precision measurements of Higgs boson properties at future ep-em colliders: What are the challenges? (15'+5')	DURIEUX, Gauthier

Thursday, October 29, 2020

Parallel: Beyond the Standard Model III (12:30 PM - 2:00 PM)

-Conveners: Jana Schaarschmidt; stefania gori; Cecile Sarah Caillol

time	[id] title	presenter
12:30 PM	[143] Xenon1T excess (15' + 7')	ROCCHETTI, Arianna ROCCHETTI, Arianna
12:52 PM	[144] DM produced in association with H at ATLAS and CMS (15' + 7')	MEEHAN, Samuel Ross
1:14 PM	[146] LFV, rare decays and invisible Higgs decays at ATLAS and CMS (15' + 7')	SIDDIREDDY, Prasanna Kumar
1:36 PM	[145] Higgs and flavor (15' + 7')	HOMILLER, Samuel

Parallel: Di-Higgs and self-coupling III (12:30 PM - 2:00 PM)

-Conveners: Mauro Donega; Katharine Leney; Christoph Peter Englert

time	[id] title	presenter
12:30 PM	[122] Measurement prospects for Higgs pair-production at the HL-LHC (15'+5')	NIKOLOPOULOS, Konstantinos
12:50 PM	[123] Prospects for measuring the Higgs self-coupling at future colliders (15'+5')	SELVAGGI, Michele
1:10 PM	[124] HL-LHC and Future Collider prospects for HH from a theoretical perspective: extrapolations and other channels (15'+5')	BANERJEE, Shankha Dr BANERJEE, Shankha
1:30 PM	[125] Triple Higgs and quartic interactions at future colliders (incl. muon colliders) (15'+5')	MELE, Barbara

Parallel: Yukawa couplings III (12:30 PM - 2:00 PM)

-Conveners: Tamara Vazquez Schroeder; Yotam Soreq; Chris Palmer

time	[id] title	presenter
12:30 PM	[89] Top Yukawa ($t\bar{t}H/tH$, $H \rightarrow b\bar{b}$, $\gamma\gamma$) [ATLAS+CMS] (15'+5')	CONNELLY, Ian Allan
12:50 PM	[90] Top Yukawa ($t\bar{t}H/tH$ multilepton, $t\bar{t}b$) [ATLAS+CMS] (15'+5')	RAMON ALVAREZ, Clara
1:10 PM	[103] Strange-tagging in future colliders (15'+5')	SCHLAFFER, Matthias
1:30 PM	[104] Correlating $H \rightarrow \mu^+\mu^-$ to the Anomalous Magnetic Moment of the Muon via Leptoquarks (15'+5')	CRIVELLIN, Andreas