



# Higgs Couplings 2018

## Monday, 26 November 2018

### Plenary: S1 Bosonic 1 - KFC hall annex (14:00 - 15:55)

time	[id] title	presenter
14:00	[109] Welcome and announcement	ASAI, Shoji ENARI, Yuji
14:10	[8] Higgs boson property measurements from ATLAS and CMS (20+10)	ROSATI, Stefano ROSATI, Stefano
14:40	[7] Review on precision Higgs phenomenology (30+15)	LINDERT, Jonas
15:25	[9] Summary for ggF measurement using bosonic channels from ATLAS and CMS (20+10)	CAPPATI, Alessandra

### Plenary: S2 Bosonic2 - KFC hall annex (16:15 - 18:00)

time	[id] title	presenter
16:15	[10] Recent development for the calculation of ggH in the SM (20+10)	MONNI, Pier Francesco
16:45	[11] VH- and VBF-related production at ATLAS and CMS (20+10)	TAENZER, Joe
17:15	[12] Recent development for the calculation of VBF/VH in the SM (20+10)	ZANDERIGHI, Giulia ZANDERIGHI, Giulia

# Tuesday, 27 November 2018

## **Plenary: S3 New Tech - KFC hall annex (09:00 - 10:30)**

time	[id] title	presenter
09:00	[13] Higgs measurement using boosted topology at the LHC(20+10)	KILMINSTER, Ben
09:30	[14] Recent development for the boosted technique (20+10)	TAKEUCHI, Michihisa
10:00	[15] Machine Learning for Higgs boson physics at the LHC (20+10)	BUZATU, Adrian

## **Plenary: S4 BSM1 - KFC hall annex (11:00 - 12:30)**

time	[id] title	presenter
11:00	[16] Results on the heavy Higgs searches from ATLAS and CMS (20+10)	STEGGEMANN, Jan
11:30	[17] Extended Higgs sectors at LHC (20+10)	SANTOS, Rui SANTOS, Rui
12:00	[36] hhh-EWPT correlation beyond 1-loop order (20+10)	SENAHA, Eibun

## **Plenary: S5 Yukawa1 - KFC hall annex (14:00 - 16:05)**

time	[id] title	presenter
14:00	[19] Analyses on H to bb and cc at ATLAS (18+7)	SCHAEFER, Douglas Michael
14:25	[20] Measurement of Hbb/Hcc in CMS (18+7)	DE WIT, Adinda
14:50	[21] Measurement of Higgs to lepton decay mode from ATLAS and CMS(20+10)	CAILLOL, Cecile Sarah
15:20	[22] Heavy quark radiation in NLO+PS (30+15)	TRAMONTANO, Francesco

## **Plenary: S6 EFT1 - KFC hall annex (16:35 - 18:40)**

time	[id] title	presenter
16:35	[23] Constraints on effective Lagrangians from ATLAS and CMS (30+15)	HAYS, Chris
17:20	[24] Review for EFT (30+15)	JENKINS, Elizabeth
18:05	[25] EFT global fit (20+10)	YOU, Tevong

# Wednesday, 28 November 2018

## **Plenary: S7 Yukawa2 - KFC hall annex (09:00 - 10:30)**

time	[id] title	presenter
09:00	[26] Analyses of ttH production in ATLAS (20+10)	BOUTLE, Sarah
09:30	[27] Measurement of ttH production in CMS (20+10)	MARAVIN, Yurii
10:00	[28] Top-quark mass and Yukawa coupling (20+10)	SUMINO, Yukinari

## **Plenary: S8 Future - KFC hall annex (11:00 - 12:30)**

time	[id] title	presenter
11:00	[29] The future frontier in precision Higgs physics (20+10)	LOW, Ian
11:30	[31] Higgs with future lepton collider (20+10)	SIMON, Frank
12:00	[30] Higgs with FCC" (mainly on FCC-hh) (20+10)	PETERS, Krisztian

## **Plenary: S9 Beyond Collider - KFC hall annex (14:00 - 16:15)**

time	[id] title	presenter
14:00	[50] Recent results of gravitational wave (25+5)	ANDO, Masaki
14:30	[51] Recent development for the Higgs inflation (30+15)	BEZRUKOV, Fedor
15:15	[52] Recent results of CMB (25+5)	REICHARDT, Christian
15:45	[53] Topological objects in the Higgs sector (25+5)	KURACHI, Masafumi

# Thursday, 29 November 2018

## **Plenary: S10 EFT2 - KFC hall annex (09:00 - 10:30)**

time	[id] title	presenter
09:00	[32] Vector Boson Scattering and Anomalous Quartic Couplings from ATLAS and CMS (20+10)	TORASSA, Ezio
09:30	[33] Higgs to photon-photon decay in SM EFT at NLO (20+10)	ROSIEK, Janusz Andrzej
10:00	[34] EFT tools (20+10)	FUKS, Benjamin

## **Plenary: S11 BSM2 - KFC hall annex (11:00 - 12:40)**

time	[id] title	presenter
11:00	[35] Low mass Higgs boson searches from ATLAS and CMS (20+10)	NEUBAUER, Mark
11:30	[18] Review for the DM (including Higgs portal DM) (20+10)	MATSUMOTO, Shigeki Dr MATSUMOTO, Shigeki
12:00	[37] Exotic Higgs Searches (FCNC, LFV and rare decay) from ATLAS and CMS (20+10)	IYAMA, Yutaro
12:30	[111] Higgs Couplings 2019 in Oxford	HAYS, Chris

# Friday, 30 November 2018

## **Plenary: S12 Combination - KFC hall annex (09:00 - 10:30)**

time	[id] title	presenter
09:00	[38] Latest results on CMS Higgs boson combination (25+5)	GILBERT, Andrew
09:30	[39] Latest results on ATLAS Higgs boson combination (25+5)	GADATSCH, Stefan
10:00	[40] BSM from Higgs precision measurements (20+10)	YAGYU, Kei

## **Plenary: S13 Basic question - KFC hall annex (11:00 - 12:30)**

time	[id] title	presenter
11:00	[41] Searches on Invisible Higgs boson and Dark Matter from ATLAS and CMS (20+10)	CORTES GONZALEZ, Arely
11:30	[42] Vision for high energy physics, from string to Higgs (20+10)	ISO, Satoshi
12:00	[43] Basic questions of high energy physics (20+10)	NOMURA, Yasunori

## **Plenary: S14 Self coupling - KFC hall annex (14:00 - 15:50)**

time	[id] title	presenter
14:00	[44] HH resonance searches at ATLAS+CMS (18+7)	TIKO, Andres
14:25	[45] HH searches (non resonance) at ATLAS+CMS (18+7)	FROST, James
14:50	[46] Self-coupling from the double Higgs production (20+10)	SON, Minh
15:20	[47] Self-coupling from the single Higgs production (20+10)	PAGANI, Davide

## **Plenary: Near future - KFC hall annex (16:15 - 17:45)**

time	[id] title	presenter
16:15	[48] Prospect on HL-LHC (30+15)	MILENOVIC, Predrag
17:00	[49] Higgs physics at HL/HE-LHC (30+15)	HAN, Tao

## **Plenary: Closing - KFC hall annex (17:45 - 17:55)**

time	[id] title	presenter
17:45	[110] Closing remarks	