



# 25th INTERNATIONAL CONFERENCE ON SUPERSYMMETRY AND THE UNIFICATION OF FUNDAMENTAL INTERACTIONS (SUSY17)

## Monday, 11 December 2017

### Higgs Theory and Experiment (HIG) - AG-69 (14:00 - 16:00)

-Conveners: Maria Cepeda

time	[id] title	presenter
14:00	[166] Measurement of the SM Higgs boson mass in the diphoton and 4l decay channels using the ATLAS detector	FANTI, Marcello
14:20	[167] Measurement of the Higgs boson cross sections and properties in the diphoton, ZZ and WW decay channels using the ATLAS detector	SESSA, Marco
14:40	[168] H(125) decay to Fermions at CMS	RUGGLES, Tyler
15:00	[169] H(125) decay to Muons at CMS	PERIEANU, Adrian
15:20	[170] Measurement of the Higgs boson cross sections and properties using the bb, tautau and mumu decay channels with the ATLAS detector	BUAT, Quentin
15:40	[171] $h \rightarrow b b \bar{\gamma}$ at the LHC and an e+e- collider	DWIVEDI, Siddharth

### Higgs Theory and Experiment (HIG) - AG-69 (16:30 - 18:00)

-Conveners: Bohdan Grzadkowski

time	[id] title	presenter
16:30	[172] On the Validity of the Effective Potential and the Precision of Higgs Self Couplings	SON, Minho
16:50	[173] Annihilation of dark matter particles to produce Higgs	MANISH KUMAR, Manish
17:10	[174] MSSM Higgs Boson Production: Gluon Fusion	SPIRA, Michael

# Tuesday, 12 December 2017

## Higgs Theory and Experiment (HIG) - AG-69 (14:00 - 16:00)

-Conveners: Eric Feng

time	[id] title	presenter
14:00	[175] Search for SM Higgs boson production in association with top quark pairs at CMS	DEWANJEE, Ram Krishna
14:20	[176] Search for associated production of Higgs boson with a single top at CMS	BAKHSHIANSOHI, Hamed
14:40	[177] Search for the SM Higgs boson in the ttH production channel using the ATLAS detector	KOSTYUKHIN, Vadim
15:00	[178] Search for rare Higgs decays at CMS	JAIN, Shilpi
15:20	[179] Search for invisible Higgs boson decay at CMS	MAZUMDAR, Kajari
15:40	[180] Search for non-standard, rare or invisible decays of the Higgs boson with the ATLAS detector	BORTOLETTO, Daniela

## Higgs Theory and Experiment (HIG) - Auditorium (16:30 - 16:35)

# Thursday, 14 December 2017

## Higgs Theory and Experiment (HIG) - AG-69 (14:00 - 16:00)

-Conveners: Isabel Ojalvo

time	[id] title	presenter
14:00	[183] Search for di-Higgs production with the ATLAS detector	BROST, Elizabeth
14:20	[184] Searches for MSSM Higgs bosons at CMS	CASPART, Rene
14:40	[185] Search for high mass bosonic resonances with the ATLAS detector	VALLIER, Alexis
15:00	[186] Search of a high mass neutral Higgs boson in fermion final states with the ATLAS detector	VICKEY, Trevor
15:20	[187] Charged Higgs boson searches with the ATLAS detector	CASADO, Pilar
15:40	[188] Low-mass scalar searches in CMS	PUROHIT, ARNAB

## Higgs Theory and Experiment (HIG) - B333 (16:30 - 18:00)

-Conveners: Michael Spira

time	[id] title	presenter
16:30	[189] Mass generation from a non-perturbation technique	KUMAR, Nitish
16:50	[190] Reconstructing a light pseudoscalar in the Type-X 2HDM	MONDAL, Tanmoy
17:10	[191] Detection prospects of light pseudoscalar Higgs boson at the LHC	HV, Aravind
17:30	[192] False vacuum decay in gauge theory	SHOJI, Yutaro