

**Session Program**

**27 February 2019**

**LHC students poster session**

***Higgs studies***

CERN, 61/1-201 - Pas perdus - Not a meeting room -

# Wednesday 27 February

17:07

## Higgs studies

**Session** | **Location:** CERN, 61/1-201 - Pas perdue - Not a meeting room -

17:07-17:08 **Higgs to WW measurements with CMS**

**Speaker**

Sarah Marika Freed

17:08-17:09

**Search for a Higgs boson produced in association with a Z or W boson, where H decays to b-bbar and the Z/W to leptons at CMS**

**Speaker**

Gael Ludovic Perrin

17:10-17:11

**Measurement of the Higgs boson cross sections, using decays to tau leptons, at CMS**

**Speaker**

Sam Higginbotham

17:11-17:12

**Search for low-mass Higgs boson in the diphoton final state at CMS**

**Speaker**

Sijing Zhang

17:12-17:13

**Projections for di-Higgs production (resonant and non-resonant) in 4b final state at High-Luminosity LHC with the CMS phase-2 detector**

**Speaker**

Lata Panwar

17:13-17:14

**Prospects for di-Higgs measurements in the bbgg final state at the High-Luminosity LHC with the PhaseII CMS detector**

**Speaker**

Fabio Monti

17:14-17:15

**CMS HL-LHC projections for di-Higgs production in the di-b di-tau decays channel**

**Speaker**

Giles Chatham Strong

17:15-17:16

**Constraints on the Higgs boson self coupling from ttH+tH, H->gammagamma differential measurements with CMS at the HL-LHC**

**Speaker**

Jonathon Mark Langford

17:16-17:17

**Prospects for HH measurements in the  $HH \rightarrow bb4l$  channel with the CMS experiment at the HL-LHC**

**Speaker**

Elisa Fontanesi

17:17-17:18

**Measurements of simplified fiducial cross sections for the associated production of a weak gauge boson and a Higgs boson decaying to a pair of b quarks in ATLAS**

**Speakers**

Changqiao Li, Changqiao Li

17:18-17:19

**Combination of searches for invisible Higgs boson decays with the ATLAS detector**

**Speaker**

Sascha Simon Dreyer

19:07