

Session Program

10-16 Feb 2019



Lake Louise Winter Institute 2019

Monday

Chateau Lake Louise
Lake Louise, AB, CANADA

Monday 11 February

08:25

Monday: MON-AM - LHC

Session | **Location:** Chateau Lake Louise, Mt. Temple A

08:25–08:30 **Welcome**

08:30–09:30 **LHC Physics**

Speaker

Sanjay Kumar Swain

09:30–09:45 **Higgs Boson Measurements at the High-Luminosity LHC with CMS**

Speaker

Prof. Prafulla Behera

09:45–10:00

Measurement of cross sections and properties of the Higgs boson in decays to bosons with the ATLAS experiment

Speaker

Ruggero Turra

10:00–10:14

HH production at Run 2 and perspectives for the High-Luminosity LHC with CMS

Speaker

Lucas Corcodilos

10:15–10:30

Higgs boson decays to two fermions and Higgs boson production in association with ttH at the ATLAS experiment

Speaker

Shigeki Hirose

10:30–10:45 **Tea break**

10:45–11:00 **Observation of Hbb at CMS**

Speaker

Pirmin Berger

11:00–11:15

Measuring the Higgs boson width and anomalous HVV couplings in production and decay with CMS

Speaker

Heshy Roskes

11:15–11:30

Performance Optimisation of the CMS Electromagnetic Calorimeter to measure Higgs properties during Phase I and Phase II of the LHC

Speaker

Michael Andrews

11:30-11:45

The role of the CMS trigger in the recent Higgs sector observations and in the searches for new resonances during LHC Run II**Speaker**

Cristina Martin Perez

11:45-12:00

Precision Timing with the CMS MIP Timing Detector**Speaker**

Fabio Monti

12:00

17:30

Monday: MON-PM - Dark Matter**Session** | **Location:** Chateau Lake Louise, Mt. Temple A

17:30-18:30

Dark matter review**Speaker**

C Eric Dahl

18:30-18:45

Searching for Nuclear Recoils from Dark Matter with SuperCDMS**Speaker**

Emanuele Michielin

18:45-19:00

Dark Photon and Electron Recoil Dark Matter Signatures in SuperCDMS**Speaker**

Lise Wills

19:00-19:15

Latest Results from the Dark Matter Search with DEAP-3600 at SNOLAB**Speaker**

Robert Stainforth

19:15-19:30

Status of the NEWS-G Dark Matter Experiment**Speaker**

Daniel Durnford

19:30