

Session Program

2-8 Mar 2025



Lake Louise Winter Institute 2025

Monday

Chateau Lake Louise
Lake Louise, AB, CANADA

Monday 3 March

08:40

Monday: MON-AM - LHC

Session | **Location:** Chateau Lake Louise, Mt Temple A | **Convener:** Aaron Vincent

08:45–08:55 **Welcome**

09:00–10:00 **Physics at LHC**

Speaker

Prof. Sanjay Swain

10:00–10:15

Recent highlights of top-quark cross section and properties measurements with the ATLAS detector at the LHC

Speaker

Zhengcheng Tao

10:15–10:30 **Tea break**

10:30–10:45 **Measurements of W, Z and Drell-Yan processes in ATLAS**

Speaker

Frank Ellinghaus

10:45–11:00 **Recent VBS measurements at CMS**

Speaker

Matteo Presilla

11:00–11:15

Probing the nature of electroweak symmetry breaking with Higgs boson pairs in ATLAS

Speaker

Iza Veliscek

11:15–11:30 **Higgs and DiHiggs in Boosted topologies**

Speaker

Abdollah Mohammadi

11:30–11:45

Precision Timing with the CMS MIP Timing Detector for High-Luminosity LHC

Speaker

Andrea Benaglia

11:45–12:00

The role of the CMS trigger in the study of the Higgs sector and searches for new resonances during LHC Run III

Speaker

Marco Chiusi

12:00

17:00

Monday: MON-PM - Dark Matter**Session** | **Location:** Mt Temple A | **Convener:** Mihail Ivanov**17:00-18:00 Dark Matter Review****Speaker**

Aaron Vincent

18:00-18:15 Lux-Zeppelin**Speaker**

Greg Rischbieter

18:15-18:30 Tea break**18:30-18:45 NEWS-G****Speaker**

Daniel Durnford

18:45-19:00 XENON**Speaker**

Julien MASBOU

19:00-19:15 PICO**Speaker**

Emily Adams

19:15-19:30 DEAP**Speaker**

Frederick Schuckman

19:30-19:45 SABRE**Speaker**

Owen Stanley

19:45