

## **Session Program**

**18-24 Feb 2024**



## **Lake Louise Winter Institute 2024**

***Monday***

Chateau Lake Louise  
Lake Louise, AB, CANADA

# Monday 19 February

08:30

## Monday: MON-AM - LHC

**Session** | **Location:** Mt Temple A | **Convener:** Kirill Melnikov

08:30–08:35 **Welcome**

### Speakers

Alexander Penin, Juan Pablo Yanez Garza

08:35–09:35 **Physics at LHC**

### Speaker

John Alison

09:35–09:50 **Properties of the Higgs boson measured by ATLAS collaboration**

### Speaker

Meng-Ju Tsai

09:50–10:05

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

### Speaker

Maximilian J Swiatlowski

10:05–10:20

**Testing the electroweak theory in multiboson measurements in ATLAS**

### Speaker

Gia Khoriauli

10:20–10:45 **Tea break**

10:45–11:00 **Vector bosons production and properties at CMS**

### Speaker

Patrizia Azzi

11:00–11:15

**Search for emerging jets with graph neural networks using CMS Run 2 data**

### Speaker

Claire Savard

11:15–11:30

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

### Speaker

Daniel Spitzbart

11:30–11:45

**Higgs boson production and decay rate measurements and their interpretation with the ATLAS experiment**

### Speaker

Weitao Wang

12:00

17:00

20:00

11:45-12:00

**Searching for additional Higgs bosons at ATLAS****Speaker**

Liron Barak

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

17:00-18:00

**Dark matter search with JWST****Speaker**

Cosmin Ilie

18:00-18:15

**ANAIS-112: First direct test of DAMA/LIBRA beyond three sigma****Speaker**

Maria Martinez

18:15-18:30

**Lux-Zeppelin****Speaker**

Dr Joe McLaughlin

18:30-18:45

**Lux-Zeppelin****Speaker**

Sam Eriksen

18:45-19:00

**Tea break**

19:00-19:15

**NEWS-G****Speaker**

Philippe Gros

19:15-19:30

**XENON / DARWIN****Speaker**

Lanqing Yuan

19:30-19:45

**PICO****Speaker**

Jeremy Savoie

19:45-20:00

**DEAP-3600 Dark Matter Experiment****Speaker**

Badamsambuu Jigmeddorj