

Lake Louise Winter Institute 2026



Report of Contributions

Contribution ID: **363**

Type: **not specified**

LHC Physics

Monday, 2 March 2026 08:55 (1 hour)

Presenter: DANDOY, Jeff (Carleton University (CA))

Session Classification: Monday

Contribution ID: **364**

Type: **not specified**

Dark Matter review

Monday, 2 March 2026 17:00 (1 hour)

Presenter: BODDY, Kimberly (University of Texas at Austin)

Session Classification: Monday

Contribution ID: **365**

Type: **not specified**

Dark Stars

Tuesday, 3 March 2026 20:00 (1 hour)

Presenter: ILIE, Cosmin (Colgate University)

Session Classification: Tuesday

Contribution ID: **366**

Type: **not specified**

Precision physics at present and future high energy colliders'

Tuesday, 3 March 2026 08:45 (1 hour)

Presenter: GEHRMANN, Thomas (University of Zurich (CH))

Session Classification: Tuesday

Contribution ID: **367**

Type: **not specified**

Flavour Physics

Wednesday, 4 March 2026 08:45 (1 hour)

Presenter: PETROV, Alexey (University of South Carolina)

Session Classification: Wednesday

Contribution ID: **368**

Type: **not specified**

Neutrino Physics

Wednesday, 4 March 2026 17:00 (1 hour)

Presenter: PAPADOPOULOU, Afroditi

Session Classification: Wednesday

Contribution ID: **369**

Type: **not specified**

Multimessenger Astronomy

Thursday, 5 March 2026 17:15 (1 hour)

Presenter: GRANT, Darren

Session Classification: Thursday

Contribution ID: 370

Type: **not specified**

Astrophysical probes of BSM physics

Friday, 6 March 2026 08:45 (1 hour)

Presenter: SCHUTZ, Katelin

Session Classification: Friday

Contribution ID: **371**

Type: **not specified**

Electron EDM measuremen

Friday, 6 March 2026 18:25 (1 hour)

Presenter: NG, Kia Boon

Session Classification: Friday

Contribution ID: 372

Type: **not specified**

HH, HHH searches, Higgs potential at the LHC

Monday, 2 March 2026 10:10 (15 minutes)

Presenter: D'AMICO, Valerio

Session Classification: Monday

Contribution ID: 373

Type: **not specified**

Higgs boson production and decay rate measurements with the ATLAS experiment

Monday, 2 March 2026 10:25 (15 minutes)

Presenter: AMIRIE, Kyle

Session Classification: Monday

Contribution ID: 374

Type: **not specified**

Higgs property (mass, width, CP) and EFT measurements from ATLAS

Monday, 2 March 2026 11:00 (15 minutes)

Presenter: ROSSINI, Lorenzo

Session Classification: Monday

Contribution ID: 375

Type: **not specified**

Higgs boson properties

Monday, 2 March 2026 09:55 (15 minutes)

Presenter: KORYTOV, Andrey (University of Florida (US))

Session Classification: Monday

Contribution ID: 377

Type: **not specified**

Performance of the CMS Electromagnetic Calorimeter at LHC RUN 3 and new developments

Monday, 2 March 2026 11:30 (15 minutes)

Presenter: RONCHINI, Samuele (Gran Sasso Science Institute)

Session Classification: Monday

Contribution ID: 378

Type: **not specified**

Revolutionizing the CMS High-Level Trigger System at HL-LHC with Next Generation Triggers

Monday, 2 March 2026 11:45 (15 minutes)

Presenter: VERNAZZA, Elena (CERN)

Session Classification: Monday

Contribution ID: 379

Type: **not specified**

Data squeezing in CMS: techniques and physics results

Tuesday, 3 March 2026 11:35 (15 minutes)

Presenter: DONATO, Silvio (Universita & INFN Pisa (IT))

Session Classification: Tuesday

Contribution ID: **380**

Type: **not specified**

Recent Diboson and VBF single-boson measurements in ATLAS

Monday, 2 March 2026 11:15 (15 minutes)

Presenter: TOFFOLIN, Leonardo

Session Classification: Monday

Contribution ID: **381**

Type: **not specified**

Top quark cross sections including $t\bar{t}$ bar, single top and Top+X in ATLAS

Tuesday, 3 March 2026 09:45 (15 minutes)

Presenter: NOVAK, Tadej

Session Classification: Tuesday

Contribution ID: **382**

Type: **not specified**

Measurements of top properties and mass in ATLAS

Tuesday, 3 March 2026 10:00 (15 minutes)

Presenter: BARTOS, Pavol (Comenius University (SK))

Session Classification: Tuesday

Contribution ID: **383**

Type: **not specified**

Exploring QCD and Heavy-Flavor Physics ATLAS

Tuesday, 3 March 2026 10:15 (15 minutes)

Presenter: NAGANO, Kunihiro (KEK High Energy Accelerator Research Organization (JP))

Session Classification: Tuesday

Contribution ID: **384**

Type: **not specified**

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

Tuesday, 3 March 2026 11:20 (15 minutes)

Presenter: BHATTACHARYA, Soham (California Institute of Technology (US))

Session Classification: Tuesday

Contribution ID: **385**

Type: **not specified**

Preparing for Physics with CMS MIP Timing Detector at HL-LHC

Tuesday, 3 March 2026 11:05 (15 minutes)

Presenter: GIRALDIN, Carlo

Session Classification: Tuesday

Contribution ID: **386**

Type: **not specified**

Searches for BSM physics in non-resonant final states with the ATLAS detector

Friday, 6 March 2026 09:45 (15 minutes)

Presenter: MARTIN DIT LATOUR, Bertrand (University of Bergen (NO))

Session Classification: Friday

Contribution ID: **387**

Type: **not specified**

Searches for BSM physics in resonant final states with the ATLAS detector

Friday, 6 March 2026 10:00 (15 minutes)

Presenter: HULSKEN, Raphael Alain (McGill University (CA))

Session Classification: Friday

Contribution ID: **388**

Type: **not specified**

Searches for BSM physics using challenging and long-lived signatures with the ATLAS detector

Friday, 6 March 2026 10:15 (15 minutes)

Presenter: BRUCE, Laura Elaine

Session Classification: Friday

Contribution ID: **389**

Type: **not specified**

Observation of a family of all-charm tetraquarks with spin-2 and positive parity

Wednesday, 4 March 2026 09:45 (15 minutes)

Presenter: WANG, Xining

Session Classification: Wednesday

Contribution ID: **390**

Type: **not specified**

LHCb 1

Wednesday, 4 March 2026 10:00 (15 minutes)

Presenter: GRAVERINI, Elena (EPFL - Ecole Polytechnique Federale Lausanne (CH) and University of Pisa (IT))

Session Classification: Wednesday

Contribution ID: **391**

Type: **not specified**

LHCb 2

Wednesday, 4 March 2026 10:15 (15 minutes)

Presenter: VAN LAAK, Raphael

Session Classification: Wednesday

Contribution ID: 392

Type: **not specified**

CP-violation in beauty and charm decays at Belle and Belle II

Wednesday, 4 March 2026 10:45 (15 minutes)

Summary

Presenter: REIF, Markus

Session Classification: Wednesday

Contribution ID: 393

Type: **not specified**

Dark sector and tau physics at Belle and Belle II

Friday, 6 March 2026 11:45 (15 minutes)

Presenter: LEE, Hobin

Session Classification: Friday

Contribution ID: 394

Type: **not specified**

Decays of b and c hadrons and quarkonium at Belle and Belle II

Wednesday, 4 March 2026 11:00 (15 minutes)

Presenter: SPENKO, Kristof

Session Classification: Wednesday

Contribution ID: 395

Type: **not specified**

Measurements of electroweak penguin and semileptonic B decays at Belle and Belle II

Wednesday, 4 March 2026 11:15 (15 minutes)

Presenter: CHOUDHURY, Seema

Session Classification: Wednesday

Contribution ID: 396

Type: **not specified**

Recent B physics results from BABAR

Wednesday, 4 March 2026 11:45 (15 minutes)

Summary

Presenter: ROBERTSON, Steven (IPP / University of Alberta)

Session Classification: Wednesday

Contribution ID: 397

Type: **not specified**

New BABAR precision results on $e^+e^- \rightarrow \pi^+\pi^-(\gamma)$ for muon $g-2$ HVP calculations

Wednesday, 4 March 2026 11:30 (15 minutes)

Summary

Presenter: RONEY, Michael

Session Classification: Wednesday

Contribution ID: **399**

Type: **not specified**

COSINUS

Monday, 2 March 2026 18:00 (15 minutes)

Presenter: SHERA, Kumrie

Session Classification: Monday

Contribution ID: **400**

Type: **not specified**

LZ

Monday, 2 March 2026 18:45 (15 minutes)

Presenter: GENOVESI, Jack (Pennsylvania State University)

Session Classification: Monday

Contribution ID: **401**

Type: **not specified**

XENON

Monday, 2 March 2026 19:00 (15 minutes)

Presenter: PAETSCH, Barbara (Weizmann Institute of Science)

Session Classification: Monday

Contribution ID: **402**

Type: **not specified**

PANDAX-4T

Monday, 2 March 2026 19:15 (15 minutes)

Presenter: HAN, Chencheng

Session Classification: Monday

Contribution ID: **403**

Type: **not specified**

PICO

Monday, 2 March 2026 19:45 (15 minutes)

Presenter: MALIN, Quinn (University of Alberta)

Session Classification: Monday

Contribution ID: **404**

Type: **not specified**

DarkSide

Monday, 2 March 2026 19:30 (15 minutes)

Presenter: AGNES, Paolo

Session Classification: Monday

Contribution ID: **405**

Type: **not specified**

SuperCDMS

Monday, 2 March 2026 18:15 (15 minutes)

Presenter: STIFTER, Kelly

Session Classification: Monday

Contribution ID: **406**

Type: **not specified**

ALICE

Tuesday, 3 March 2026 10:45 (20 minutes)

Presenter: VARGA, Zoltan (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Tuesday

Contribution ID: **407**

Type: **not specified**

mu2e

Friday, 6 March 2026 17:30 (10 minutes)

Presenter: MIDDLETON, Sophie (Caltech)

Session Classification: Friday

Contribution ID: **408**

Type: **not specified**

Muon g-2

Friday, 6 March 2026 17:15 (15 minutes)

Presenter: FOSTER, Sean

Session Classification: Friday

Contribution ID: **409**

Type: **not specified**

SHIP

Friday, 6 March 2026 10:55 (25 minutes)

Presenter: BICK, Daniel (Universität Hamburg)

Session Classification: Friday

Contribution ID: **410**

Type: **not specified**

FASER BSM

Friday, 6 March 2026 11:20 (10 minutes)

Presenter: WILSON, Benjamin James (The University of Manchester (GB))

Session Classification: Friday

Contribution ID: **411**

Type: **not specified**

NA62

Friday, 6 March 2026 17:00 (15 minutes)

Presenter: SHANG, Victor (University of Wisconsin Madison (US))

Session Classification: Friday

Contribution ID: **412**

Type: **not specified**

IceCube astro+Gen2

Thursday, 5 March 2026 18:15 (15 minutes)

Presenter: BALOGOPAL, Aswathi

Session Classification: Thursday

Contribution ID: **413**

Type: **not specified**

P-ONE

Thursday, 5 March 2026 18:30 (15 minutes)

Presenter: KRAUSE, Patrick (SFU)

Session Classification: Thursday

Contribution ID: **414**

Type: **not specified**

Pierre Auger

Thursday, 5 March 2026 19:00 (15 minutes)

Presenter: VALORE, Laura

Session Classification: Thursday

Contribution ID: **415**

Type: **not specified**

HAWC

Thursday, 5 March 2026 19:15 (15 minutes)

Presenter: GUEVEL, David

Session Classification: Thursday

Contribution ID: **416**

Type: **not specified**

CTAO

Thursday, 5 March 2026 19:30 (15 minutes)

Presenter: KIEDA, David

Session Classification: Thursday

Contribution ID: **417**

Type: **not specified**

CUPID

Wednesday, 4 March 2026 18:30 (15 minutes)

Presenter: VETTER, Kenny

Session Classification: Wednesday

Contribution ID: **418**

Type: **not specified**

CUORE

Wednesday, 4 March 2026 18:15 (15 minutes)

Presenter: SPELLER, Danielle (Johns Hopkins)

Session Classification: Wednesday

Contribution ID: **419**

Type: **not specified**

LEGEND

Wednesday, 4 March 2026 18:45 (15 minutes)

Presenter: KRISHNAMOORTHY, Harisree

Session Classification: Wednesday

Contribution ID: **420**

Type: **not specified**

NEXT

Wednesday, 4 March 2026 19:00 (15 minutes)

Presenter: Dr ARAZI, Lior (Weizmann Institute of Science (IL))

Session Classification: Wednesday

Contribution ID: **421**

Type: **not specified**

Katrin

Thursday, 5 March 2026 08:45 (15 minutes)

Presenter: LEE, Seung Mok

Session Classification: Thursday

Contribution ID: **422**

Type: **not specified**

Project 8

Thursday, 5 March 2026 09:00 (15 minutes)

Presenter: Prof. DE VIVEIROS, Luiz (Pennsylvania State University)

Session Classification: Thursday

Contribution ID: **423**

Type: **not specified**

HyperK

Thursday, 5 March 2026 11:30 (15 minutes)

Presenter: Dr HOLIN, Anna

Session Classification: Thursday

Contribution ID: **424**

Type: **not specified**

DUNE

Thursday, 5 March 2026 11:15 (15 minutes)

Presenter: Mr AMARINEI, Robert Mihai (Universite de Geneve)

Session Classification: Thursday

Contribution ID: 425

Type: **not specified**

MicroBoone

Thursday, 5 March 2026 09:45 (15 minutes)

Presenter: BOGART, Benjamin

Session Classification: Thursday

Contribution ID: **426**

Type: **not specified**

JUNO

Thursday, 5 March 2026 11:00 (15 minutes)

Presenter: BICK, Daniel (Universität Hamburg)

Session Classification: Thursday

Contribution ID: **427**

Type: **not specified**

NOvA

Thursday, 5 March 2026 09:15 (15 minutes)

Presenter: CONTRERAS, Taylor

Session Classification: Thursday

Contribution ID: 428

Type: **not specified**

IceCube low-energy + upgrade

Thursday, 5 March 2026 09:30 (15 minutes)

Presenter: Dr KAMP, Nicholas (Harvard University)

Session Classification: Thursday

Contribution ID: **429**

Type: **not specified**

FaserNu

Thursday, 5 March 2026 10:45 (15 minutes)

Presenter: MASCELLANI, Anna

Session Classification: Thursday

Contribution ID: **434**

Type: **not specified**

DAMIC-M

Friday, 6 March 2026 11:30 (15 minutes)

Presenter: CENTENO LORCA, Carlos (IFCA)

Session Classification: Friday

Contribution ID: 435

Type: **not specified**

PTOLEMY

Wednesday, 4 March 2026 19:15 (15 minutes)

Presenter: CHUNG, Wonyong (Princeton University (US))

Session Classification: Wednesday

Contribution ID: 436

Type: **not specified**

Future Charged Lepton Flavor Violation searches

Friday, 6 March 2026 17:55 (15 minutes)

Presenter: AMBROSE, Daniel (Fermilab)

Session Classification: Friday

Contribution ID: 437

Type: **not specified**

The BeEST Experiment: Sterile neutrinos and other BSM Physics

Thursday, 5 March 2026 10:00 (15 minutes)

Summary

Presenter: FRIEDRICH, Stephan

Session Classification: Thursday

Contribution ID: **438**

Type: **not specified**

MEG-II

Friday, 6 March 2026 17:40 (15 minutes)

Presenter: YAMAMOTO, Kensuke (The University of Tokyo)

Session Classification: Friday