

WNPPC2015 DETAILED SCHEDULE

Thursday, February 12

16:00 – 17:30 Registration
19:15 – 19:30 Opening remarks

Session 1

19:30 – 20:00 Vinzenz Bildstein
DESCANT – A new neutron detector array at TRIUMF

20:00 – 20:15 Lea Gauthier
Search for strongly-produced superpartners with two same-sign leptons and three leptons at $\sqrt{s}=8$ TeV with ATLAS

20:15 – 20:30 Andrée Robichaud-Véronneau
The McGill testing facility for Canadian-built STGC muon detectors for the ATLAS experiment

20:30 – 20:45 Andrew MacLean
Gamma-gamma angular correlation measurements with GRIFFIN

20:45 – 21:00 Brendan Bulthuis
An investigation of mixed-spin pairing in heavy nuclei

21:00 – 21:15 Sahar Bahrami
Vector like leptons in the Higgs triplet model

21:15 – 21:30 Diane Shoaleh Saadi
Low threshold setting in the Argon straws of the TRT detector

21:30 – 23:00 Reception

Friday, February 13

07:30 – 09:00 Registration

07:30 – 09:00 Breakfast

Session 2a

09:00 – 09:30 Gilles Gerbier
Sharpening tools for direct low mass WIMP search

09:30 – 09:45 Ken Clark
Neutrinos at the South Pole with IceCube and PINGU

09:45 – 10:00 Steffen Cruz
Single particle structure and shapes of exotic Sr isotopes

10:00 – 10:15 Zachary Shand
Role of charged particle nucleosynthesis in supernovae and the r-process

10:15 – 10:30 Amiel Kollek
Fast pulsing light testing system for Belle II photopentodes

10:30 – 11:00 Coffee break

Session 2b

11:00 – 11:30 Alison Lister
*What have we learnt about and from top quarks at the LHC?
Selected results from ATLAS*

11:30 – 11:45 Lori Rebenitsch
*A lithium doped glass detector to measure the electric dipole moment
of ultra cold neutrons*

11:45 – 12:00 Camille Bélanger-Champagne
*Search for new phenomena in photon+jet events collected in proton-proton
collisions at centre-of-mass energy of 8 TeV with the ATLAS detector*

12:00 – 12:15 Alex Laffoley
High-precision half-life measurements for the superallowed β^+ emitter ^{18}Ne

12:15 – 12:30 Sébastien Lord
*An application of the AdS/QCD correspondence in phenomenological
B physics: predicting the $B \rightarrow K^* \mu^+ \mu^-$ isospin asymmetry*

12:30 – 14:00 Lunch

Friday, February 13

Session 3a

- 19:00 – 19:30 Alex Wright
The SNO+ experiment at SNOLAB
- 19:30 – 19:45 Alison Radich
New decay modes of the high-spin isomer of ^{124}Cs
- 19:45 – 20:00 Kuhan Wang
Searching for physics beyond the Standard Model in multi-jet events at ATLAS
- 20:00 – 20:15 Marc Baker
Hyperfine splitting in positronium to $O(\alpha^7 M_E)$: one photon annihilation contribution
- 20:15 – 20:30 Arthur Plante
Calibration of PICASSO/PICO test modules for dark matter searches at SNOLAB
- 20:30 – 21:00 Coffee break

Session 3b

- 21:00 – 21:15 Benoit Lefebvre
Characterization of a small thin gap chamber detector prototype in a test beam experiment at CERN
- 21:15 – 21:30 Chanpreet Amole
PICO-2L: in search of light WIMPs with a bubble chamber using superheated C₃F₈
- 21:30 – 21:45 Nima Pourtolami
5D warped space Higgs phenomenology
- 21:45 – 22:00 Amit Kumar
Investigation of three-nucleon force through $^{10}\text{C}(p,p)^{10}\text{C}$
- 22:00 – 22:15 Alexis Brossard
Search for standard Higgs Boson produced in association with a top quark pair in multi-lepton channels at the CMS experience at the LHC

Saturday, February 14

07:30 – 09:00 Breakfast

Session 4a

09:00 – 09:30 Philip Schuster
Accelerating our understanding of dark matter

09:30 – 09:45 Michelle Dunlop
High-precision half-life measurements for the superallowed β^+ emitter ^{10}C

09:45 – 10:00 Amir Ouyed Hernandez
Explosive phase transition of hadronic to quark matter

10:00 – 10:15 Lee Evitts
Electric monopole transition strengths in ^{62}Ni

10:15 – 10:30 Ian Lam
Surfactant purification tests for the SNO+ experiment

10:30 – 11:00 Coffee break

Session 4b

11:00 – 11:30 Natalia Toro
Dark forces at accelerators: the new GeV frontier

11:30 – 11:45 Ryan Dunlop
The first GRIFFIN experiment: an investigation of the s-process yields for ^{116}Cd

11:45 – 12:00 Michael Stoebe
Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector

12:00 – 12:15 Alexis Tantot
Light and sound from scintillators

12:15 – 12:30 Jason Park
Gamma-ray spectroscopy in the vicinity of ^{100}Sn

12:30 – 14:00 Lunch

19:00 – 21:30 Banquet

Sunday, February 15

07:30 – 09:00 Breakfast

Session 5a

09:00 – 09:30 Jason Holt
Nuclear forces and exotic nuclei

09:30 – 09:45 Andrea Capra
A radial time projection chamber for antihydrogen detection

09:45 – 10:00 Matt Buraczynski
Microscopic & variational calculations of inhomogeneous neutron matter

10:00 – 10:15 Ted Zhao
Measurement techniques for low background ethanol

10:15 – 10:30 Sebastien Rettie
Upgrading the ATLAS muon small wheel with novel sTGC detectors

10:30 – 11:00 Coffee break

Session 5b

11:00 – 11:15 Mike Clark
Sensitivity of alkali halide cryogenic scintillation-phonon detectors to WIMP signals

11:15 – 11:30 Jonathan Williams
Neutron generator facility at SFU GEANT4 dose prediction and verification

11:30 – 11:45 Yan Liu
Umbilicals for liquid scintillator phase of SNO+ experiment

11:45 – 12:00 Nikita Bernier
Investigations of background and Compton suppression shields for GRIFFIN

12:00 – 12:15 Caleb Miller
Long term acrylic exposure tests for the SNO+ experiment

12:15 – 12:30 Simon Archambault
Particle physics with VERITAS