

Session Program

Jun 2 - 7, 2019



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

2019 CAP Congress / Congrès de l'ACP 2019

***PPD Poster Session & Student Poster
Competition Finals (26) | Session d'affiches
PPD et finales du concours d'affiches
étudiantes (26)***

Simon Fraser University

Tue, June 4

4:45 PM

PPD Poster Session & Student Poster Competition Finals (26) | Session d'affiches PPD et finales du concours d'affiches étudiantes (26)

Session | **Location:** Simon Fraser University, SWH 9082 + AQ South-East Corner / coin sud-est | **Convener:** David Morrissey

4:50 - 4:52 PM **62 - EMPHATIC detector development**

Speaker

Blair Jamieson

4:52 - 4:54 PM **63 - Photoneutron calibration of SuperCDMS detectors**

Speaker

Emanuele Michielin

4:54 - 4:56 PM **64 - The Mont Blanc neutrino burst from Supernova 1987A**

Speaker

Stanley Yen

4:56 - 4:58 PM **65 - Low Background Measurement Capabilities At SNOLAB**

Speaker

Dr Ian Lawson

4:58 - 5:00 PM

66 - Calibrating an ultra-low background detector: DEAP rising to the challenges.

Speaker

Pierre Gorel

5:00 - 5:02 PM **67 - Meson-Hybrid Mixing in Vector and Axial Vector Charmonium**

Speaker

Derek Harnett

5:02 - 5:04 PM **68 - K^+ to π^+ ν nubar - First result from the NA62 experiment**

Speaker

Dr Bob Velghe

5:04 - 5:06 PM

69 - Quasi-Monoenergetic Neutron Beams for Characterizing Dark Matter Detectors

Speaker

Dr Jean-François Caron

5:06 - 5:08 PM

70 - WITHDRAWN - Search for dark matter in events with missing transverse momentum and a Z boson produced in 13 TeV proton-proton collisions with the ATLAS detector at the LHC

Speaker

Kayla McLean

5:08 - 5:10 PM **71 - Multi-Bubble Reconstruction in PICO Bubble Chambers**

Speaker

Clayton Coutu

5:10 - 5:12 PM 72 - Scintillating Bubble Chamber for Detecting Dark Matter**Speaker**

Mr Hector Hawley Herrera

5:12 - 5:14 PM**73 - Search for SUSY with missing transverse momentum and multiple b-jets****Speaker**

Meisam Ghasemi Bostanabad

5:15 - 5:17 PM**74 - IN SITU MEASUREMENTS OF THE ATLAS JET ENERGY RESOLUTION USING 13 TeV PP DATA****Speaker**

Benjamin Paul Jaeger

5:17 - 5:19 PM**75 - A Neutron calibration system for the Cryogenic Underground TEst facility (CUTE)****Speaker**

Jonathan Corbett

5:19 - 5:21 PM**76 - Measurement of SuperKEKB Electron Beam Polarization through Tau Forward-Backward Polarization Asymmetry****Speaker**

Caleb Miller

5:21 - 5:23 PM**77 - Position resolution in the DEAP-3600 dark matter experiment****Speaker**

Joseph Willis

5:23 - 5:25 PM**78 - LED-Based Detector Calibration Studies for the SuperCDMS SNOLAB Experiment****Speaker**

Muad Ghaith

5:25 - 5:27 PM**79 - WITHDRAWN - First Implementation of CsI(Tl) Pulse Shape Discrimination at a B-Factor Experiment for Improving Hadronic vs Electromagnetic Shower Identification****Speaker**

Savino Longo

5:27 - 5:29 PM**80 - The Axion Quark Nugget Dark Matter Model: Size Distribution and Survival Pattern****Speaker**

Shuailiang Ge

5:29 - 5:31 PM

81 - Measurement of IceCube Dom Performance Using Atmospheric Muons**Speaker**

Nicholas Kulacz

5:31 - 5:33 PM

82 - Search for Neutrino Trident Events in IceCube**Speaker**

Sourav Sarkar

5:33 - 5:35 PM

83 - AmBe Source Calibrations in Measuring Reactor Antineutrinos in SNO+ Water Phase**Speaker**

Mrs Jamie Grove

5:35 - 5:37 PM

84 - On the Neutrino Floor for the Next Generation of Liquid Noble Dark Matter Experiments**Speaker**

Andréa Gaspert

5:37 - 5:39 PM

85 - Modelling emission of acoustic energy during bubble expansion in PICO bubble chambers**Speaker**

Tetiana Kozynets

5:39 - 5:41 PM

91 - Expected Neutron Background for the PICO-500 Detector with Geant4 Simulations**Speaker**

William Woodley

5:41 - 5:43 PM

92 - PICO-40I Installation and Commissioning**Speaker**

Dr Tristan Sullivan

5:43 - 5:45 PM

WITHDRAWN - Results of the 2018 ATLAS sTGC Beam Tests**Speaker**

Mr Evan Michael Carlson

5:45 - 5:47 PM

WITHDRAWN - Fiducial Differential Cross Section Measurements in the HZZ4I Channel with the ATLAS Detector**Speaker**

Laurelle Maria Veloce

5:47 - 5:49 PM

WITHDRAWN - Search for dark sector particles in Higgs boson decays with the ATLAS detector at the LHC**Speaker**

Yu Him Justin Chiu

6:15 PM