

AUTOMNE / FALL 2019

Vendredi 13 décembre 2019 / Friday December 13th, 2019

Loeb Building Room C264

Université Carleton / Carleton University

9:00	Daniel Trotter (M.Sc., U. Ottawa) <i>Ramifications of vesicle release properties on information processing at central synapses</i>
9:20	Amal Alamre (M.Sc., Carleton U.) <i>Isotopic dependence of vapour pressure in xenon</i>
9:40	Felix Hufnagel (M.Sc., U. Ottawa) <i>Underwater quantum communication with twisted photons</i>
10:00	Stephen Weber (Ph.D., Carleton U.) <i>Measurement of the EW production of Z+jets at $\sqrt{s} = 13$ TeV with the ATLAS experiment</i>
10:20	Break with refreshments / Pause avec rafraîchissements
10:50	Ludmila Szulakowska (Ph.D., U. Ottawa) <i>Valley physics in honeycomb crystals</i>
11:10	Keren Mayorov (M.Sc., Carleton U.) <i>Dosimetric impact of the inter-fractional positional variation of the metal port of tissue expanders in radiation therapy</i>
11:30	Mitra Rahimian (Ph.D., U. Ottawa) <i>Nanostructuring with structured light</i>
11:50	Dilip Paneru (M.Sc., U. Ottawa) <i>Experimental tests of multiplicative Bell inequalities</i>
12:10	Lunch break / Pause de midi – Free time / Temps libre
2:00	Eric Christiansen (Ph.D., Carleton U.) <i>A framework for robust optimization of 4D-VMAT</i>
2:20	Fatimah Alsaiari (Ph.D., U. Ottawa) <i>Manipulations of phase and polarization with liquid crystal technology and its application in advanced optics</i>
2:40	Paul Smith (Ph.D., Carleton U.) <i>Gravitational wave signals from multiple hidden sectors</i>
3:00	Elham Alkhamash (M.Sc., U. Ottawa) <i>High frequency synaptic transmission in weakly electric fish</i>
3:40	Warren Gies (M.Sc., U. Ottawa) <i>Optimization of the solar to hydrogen energy conversion efficiency of a one to one multi-junction solar cell and PEM electrolyser system</i>