



ANNOUNCEMENT
CAP BEST STUDENT PAPER COMPETITION
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DIVISION ORAL FINALISTS:

Student Name and Affiliation (alphabetical order)	Title	Division
Chris Pugh University of Waterloo	Airborne Demonstration of a Quantum Key Distribution Receiver Payload	DAMOPOC
Nafiseh Sang-Nourpour University of Calgary	Characterizing Surface Plasmon Polaritons Propagation at Lossy Interfaces	DAMOPOC
Lindsay Goodwin University of Saskatchewan	The effect of high latitude distorted ion velocity distributions on radar and satellite observations	DASP
Jean-Christophe Ono-dit-Biot McMaster University	Rearrangement of 2D clusters of droplets under compression: transition from crystal to glass	DCMMP
Carolyn Cadogan University of Western Ontario	Optical and Electrical Properties of Self-Assembled Silicon Nanoclusters	DCMMP
Sarah Dawson McMaster University	String method study of heterogeneous nucleation in block copolymers	DCMMP
Justine Joyce Munich Simon Fraser University	Microwave spectroscopy of antihydrogen as a test of CPT symmetry	DNP
Anish Verma Simon Fraser University	The Nuclear Delta Force in Quadrupole Deformed Nuclei	DNP
William Lemaire Universite de Sherbrooke	3D Digital SiPM with High Single Photon Timing Resolution for Radiation Instrumentation and Photon Science	DPE-DSS-DIMP
Matt Bumstead McMaster University	Quantifying morphological differences between seemingly similar systems of self-assembled planar particles to evaluate the influence caused from varying experimental methods in order to achieve better control over producing patterns with a desired	DPE-DSS-DIMP
Adree Khondker McMaster University	Partitioning of Caffeine in Lipid Bilayers Reduces Membrane Fluidity and Increases Membrane Thickness	DPMB
Richard Alsop McMaster University	Curcumin Protects Lipid Membranes	DPMB
Kenneth Blahut Ryerson University	Quantifying the relative contribution of transmission via free virus versus cell-to-cell to the propagation of a hepatitis C virus infection in vitro	DPMB
Robie Hennigar University of Waterloo	Superfluid black holes	DTP
Keith Ng University of Waterloo	Distinguishing the Schwarzschild black hole from the RP3 geon using local measurements	DTP
Pawel MekarSKI University of Alberta	Detecting Antineutrinos Using the SNO+ Detector	PPD
Daniel Durnford Queen's University	Calibration schemes for Spherical Gas Detectors	PPD
Gabriel Magill McMaster University	Neutrino Trident Production at the Intensity Frontier	PPD
Joseph McLaughlin Queen's University	Corrections to Signal Saturation in DEAP-3600	PPD
Ingrida SemeneC Laurentian University	The AmBe source for the SNO+ detector calibration	PPD
Connor Stone Queen's University	Fiducialization in DEAP-3600 using machine learning algorithms with robust validation	PPD