



ANNOUNCEMENT  
CAP BEST STUDENT PAPER COMPETITION  
sponsored by WILEY

**DIVISION ORAL FINALISTS:**

Student Name and Affiliation (alphabetical order)	Title	Division
ACHAL, Roshan (U. of Alberta)	On the Road to Low Power Circuitry: Analysis of Si Dangling Bond Charging Dynamics	DCMMP
COWNDEN, Bradley (U. of Manitoba)	Linear perturbations of type IIB SUGRA in flux compactifications	DTP
DHAND, Ish (U. of Calgary)	Accurate and Precise Characterization of Linear Optical Interferometers	DAMOPC
FERNANDES, Dennis D. (U. of Toronto)	The oligomeric composition of the M2 muscarinic receptor and the G protein signalling complex: a single molecule study	DMBP
GRANDMONT, Dylan (U. of Alberta)	Towards Microwave-Frequency Spin Mechanics	DCMMP
HUTCHINSON, Joel (U. of Alberta)	Thermodynamic and Transport Properties of a Holographic Quantum Hall System	DTP
MACDONALD, Allison (U. of Alberta)	Optomechanics in a dilution refrigerator	DCMMP
MACLEAN, Andrew (U. of Guelph)	Gamma-Gamma Angular Correlation Measurements With GRIFFIN	DNP
MO, Mianzhen (U. of Alberta)	Measurements of Ionization States in Warm Dense Aluminum with Femtosecond Betatron Radiation from a Laser Wakefield Accelerator	DPP
PATRICK, Matthew (U. of Calgary)	Temporal and Spatial Evolution of Poynting Flux Measured with Swarm	DASP
PUGH, Christopher (U. of Waterloo)	NanoQEY Quantum Key Distribution Satellite	DAMOPC
RAND, Evan (U. of Guelph)	Investigation of the E2 and E3 matrix elements in $^{200}\text{Hg}$ using direct nuclear reactions	DNP
ROBBINS, Matthew U. of Lethbridge	Modifications of Heisenberg's Uncertainty Principle Motivated by Quantum Gravity	DTP
SEIFY, Lohrasp (U. of Calgary)	Evaporative Cooling in Electromagnetic Radio Frequency Ion Traps	DAMOPC
SIBLEY, Logan (U. of Alberta)	sing $^{60}\text{Co}$ as a high precision calibration device for the SNO+ detector	PPD
SULLIVAN, Tristan (UBC)	Initial Results from the TRIUMF PIENU Experiment	PPD

**TANG, Jennifer (McMaster)**

**The Formation of Alzheimer's Plaques in Synthetic Membranes**

**THEMENS, David (UNB)**

**The nature of GPS receiver bias variabilities: An examination in the Polar Cap region and comparison to Incoherent Scatter Radar**

<b>DMBP</b>
<b>DASP</b>

