Thursday August 9, 2007

Time/Heure	Session 1	Session 2
9:00	**Opening Remarks** Trottier 0100 L. Marchldon, Cap President Charles Gale, McGill Physics Chair	
9:15	**Plen1 : Plenary Session** Trottier 0100 **Dr. Brigitte Vachon, McGill University:** Terra Incognita: Physics at the Energy Frontier	
10:15	Coffee Break / Pause Café	
	CM:I **Trottier 0100** Condensed Matter I	**HEP:I** **Trottier 0070** High Energy/Particle Physics I
10:30	**W.A. Huttema** (CM:I-1) Millikelvin Microwave Spectroscopy	**Doug Hoover** (HEP:I-1) Supersymmetric Large Extra Dimensions
10:45	**O. De la Peña-Seaman** (CM:I-2) First principles study of the electronic structure and phonon properties for Al and C-doped MgB2	**Ian Marquette** (HEP:I-2) Applications of polynomial and parafermionic algebras in quantum superintegrable systems
11:00	**S L Stubbs** (CM:I-3) Magnetic Penetration Depth in Overdoped Tl2201	**Alisha Wissanji** (HEP:I-3) Quantisation of solitonic defects and Dirac and ’t Hooft-Polyakov monopoles
11:15	**Ramesh Dhungana** (CM:I-4) Entangling Josephson vortex quantum bits using a resonant cavity	**Donovan Young** (HEP:I-4) The gauge field / string duality: Strong coupling from AdS/CFT
11:30	**Tao Hong** (CM:I-5) Field Induced Continuum Excitation in a 1D Quantum Paramagnet	**Steven Conboy** (HEP:I-5) Number of Closed Strings Emitted from a Decaying D-brane
11:45		**Faiza-Rahal Nebia** (HEP:I-6) The role of vortex loops in 2+1 Abelian Higgs model
12:00	Lunch / déjeuner	

13:30	**Plen2 : Plenary Session** Trottier 0100 **Dr. Rolando Castillo:** Pattern Formation and Morphology Evolution in Langmuir Monolayers	
14:30	Coffee Break / Pause Café	
	CM:II **Trottier 0100** Condensed Matter II	**HEP:II** **Trottier 0070** High Energy/Particle Physics II
14:45	**Dan Beaton** (CM:II-1) Growth and optical properties of of Dilute GaNAs and GaAsBi alloys	**Gustavo Kertzscher** (HEP:II-1) Search for Charged Higgs Boson Using the DZero Experiment
15:00	**Michael Brian Whitwick** (CM:II-2) Measurements of Macroscopic Surface Shapes and Determination of Atomic Scale Mechanisms	**Miika A. Klemetti** (HEP:II-2) A search for the leptonic decays $B^+ \rightarrow l^+\nu_l$ and $B^0 \rightarrow l^+\tau_-$ ($l = e, \mu$)
15:15	**Shawn Penson** (CM:II-3) Structure of Y2O3 Thin Films Grown by MBE	**Greg Williams** (HEP:II-3) Measurement of the di-b-jet cross section at CDF run-II
15:30	**E. Martnez-Guerra** (CM:II-4) Surface Reaction of Acetylene With H-Si(001)(1x1): An Ab- Initio Study	**Natalia Shuhmaher** (HEP:II-4) Note on the Moduli-Induced Gravitino Problem
15:45	**D.A. Baker** (CM:II-5) Local bonding structures of compounds in the Ge-Sb-Te ternary system as determined by EXAFS with bond constraint theory	**Anthony Hillairet** (HEP:II-5) Measurement of the muon decay Michel parameters with the TWIST experiment
16:00	**Sicheng Liao** (CM:II-6) Mechanism of Power-Law Blinking Statistics in Colloidal Semiconductor Quantum Dots	**B.Jasper** (HEP:II-6) Spatial Resolution of a Modified Micro-Pattern Gas Detector
16:15	**Adam L. Friedman** (CM:II-7) Optical Properties of Au and Ag Nanowire Arrays Embedded in Nanoporous Aluminum Oxide Templates	**PHOBOS Collaboration** (HEP:II-7) Anti-particle to particle ratios measurement using PHOBOS two arm magnetic spectrometr
16:30	**Özgür Yavuzçetin** (CM:II-8) Tuning Surface Optical Properties of Solar Cells Using Polymeric Nano Templates	**Jie Hu** (HEP:II-8) Getting predictions from Lattice QCD
17:00	**Poster Session and Reception** Rutherford Lobby (17:00 to 19:00)	

Friday August 10, 2007

Time/Heure	Session 1	Session 2
9:00	**Plen3 : Plenary Session** Trottier 0100 **Dean Chapman, University of Saskatchewan:** Biomedical Imaging and Therapy Beamline at the Canadian Light Source	
10:00	Coffee Break / Pause Café	
	NUC:I **Trottier 0100** Nuclear	**CP:I** **Trottier 0070** Computational / Theoretical
10:15	**J.P. Lavoie** (NUC:I-1) Segmented Linear Radiofrequency Quadrupole / Laser Ion Source Project at TRIUMF	**K. Mitchell** (CP:I-1) Formation and Dynamics of Sputter Ripples on an Epitaxially Grown Au Surface
10:30	**Mohammed Mia** (NUC:I-2) Vector meson properties in a strongly interacting thermal medium	**Juan V Escobar** (CP:I-2) Towards an effective temperature in a simple economic system
10:45	**Guang-You Qin** (NUC:I-3) Radiative jet energy loss in a 3D hydrodynamical medium and high pT hadron suppression at RHIC	**Owen A. Hickey** (CP:I-3) Molecular Dynamics Simulations of Quenching of Electro-osmotic Flow Using Dynamically Adsorbed Polymer Coatings
11:00	**Saeed Ahmad** (NUC:I-4) Studying The Phase Space Structure Of Nucleons Using Generalized Parton Distributions	**Benoit Huard** (CP:I-4) Rank-k solutions and Riemann Invariants for the fluid mechanics equations
11:15	**S. Almaraz** (NUC:I-5) Nuclear structure in system of 9 nucleons	**J.F. Laprise** (CP:I-5) Random Matrix Theory in Classical Chaos
11:30	**Szabolcs Rembeczki** (NUC:I-6) Optimization and Design of Force-Reduced Superconducting Magnets	**S.Y. Ho** (CP:I-6) An equations-of-motion approach to quantum mechanics: application to a model phase transition
11:45	Lunch / déjeuner	

	BIO/MED:I Trottier 0100 Bio and Medical Physics	**AC:I** Trottier 0070 Astronomy and Cosmology I
13:00	**P. Jamali** (MED:I-1) Design of Correction Shim Coils for a Field Cycled MRI	**Jorge Moreno** (AC:I-1) Merger history trees of dark matter haloes
13:15	**J.E. Alpuche Aviles** (MED:I-2) The use of first order Compton Scattered photons for Electron Density extraction in Computed Tomography (CT) studies	**Jeff Lidgard** (AC:I-2) Recent Developments of the DEAP-1 detector, using liquid argon to detect WIMP dark matter
13:30	**Sandra Loera** (MED:I-3) Polysulfides Adsorption on Zeolites	**Devdeep Sarkar** (AC:I-3) Does Gravatational Lensing Bias the Estimation of Dark Energy EOS from Supernova Observations?
13:45	**Josh D McGraw** (BIO:I-1) Polymer chains shed light on knotty strings	**James Kennedy** (AC:I-4) Searching for Galaxy Clusters with the APEX-SZ Telescope
14:00	**Jorge Delgado** (BIO:I-2) Shear-induced structures, flow velocity profiles, and shear banding in dilute worm-micelle solutions	**Kyler Kuehn** (AC:I-5) The Search for Muon Neutrinos from Northern Hemisphere Gamma-Ray Bursts with AMANDA
14:15	**S. D. Hudson** (BIO:I-3) Structure of Anisotropic Polyvinyl Alcohol Hydrogels	**D. Janzen** (AC:I-6) Determination of cosmological parameters from SDSS quasars
14:30		**Zhen Guo** (AC:I-7) Ion Velocity Distributions in Crossed Electric Fields and Magnetic Fields
14:45	Coffee Break / Pause Café	
15:00	**Round table discussion: Problems and solutions for the next generation of physicists** Trottier 0100 Dr. Jens Dilling, Dr. Noah Finkelstein, Dr. Louis Marchildon and Dr. Rolando Castillo	
18:00	**Banquet at Les 3 Bra** Reception and Tours (18:00 - 19:00) Dinner (19:00)	

Saturday August 11, 2007

Time/Heure	Session 1	Session 2
9:00	**Plen3 : Plenary Session** Trottier 0100 **Dr. Virginia Trimble, University of California at Irvine:** The Quest for Other Worlds	
10:00	Coffee Break / Pause Café	
	AMO:I **Trottier 0100** Atomic, Molecular, Optical	**AC:II** **Trottier 0070** Astronomy and Cosmology II
10:15	**Nicolas Caron** (AMO:I-1) Design and fabrication of a phase mask for enhancing depth of field in a microscope	**D.V. O'Donnell** (AC:II-1) On the formation and evolution of galaxy clusters, and why the universe would make for a tasty breakfast cereal
10:30	**Astrid Gonzalez-Rabade** (AMO:I-2) Efficient Polymer Solar Cells: Universal Correlation Between Exciplex Quenching and Photocurrent	**Sanghamitra Deb** (AC:II-2) Weighing Clusters with Gravitational Lensing: A new technique
10:45	**Eden Figueroa** (AMO:I-3) Towards storage of non-classical light using electromagnetically induced transparency	**S.A. Luke** (AC:II-3) A Preliminary Perturbative Relativistic Model of Coalescing Neutron Star Binaries
11:00	**Asma Al-Qasimi** (AMO:I-4) Sudden Death Entanglement in Two-Level Systems	**Rene P. Breton** (AC:II-4) Testing General Relativity using the unique double pulsar system
11:15	**Chris Healey** (AMO:I-5) Polarization Squeezing in Atomic Rubidium Vapour	**Ruxandra Bondarescu** (AC:II-5) Nonlinear effects of the r-mode instability on the spin evolution of neutron stars
11:30	**J. Rioux** (AMO:I-6) Optical injection and coherent control of charge carriers in Si	**Roxanne Guenette** (AC:II-6) VERITAS results from Supernova Remnants observations
11:45	**Bela Erdelyi** (AMO:I-7) Symmetry-based design of fragment separator optics	**Philip Venturelli** (AC:II-7) A New General Relativistic Model for Stellar Equilibrium
12:00		**Mihai Bondarescu** (AC:II-8) Seeing farther with LIGO
12:15	**Closing Remarks:** Dan Beaton, CAM 2007 Chair	Trottier 0100