

TIME HEURE	Other Locations Autres endroits	Ballroom A	Ballroom B	Ballroom C	Colbourne	Kildonan
17h15		<b>S. Robertson (c)</b> IPP/McGill U. <i>Future High Luminosity Scenarios for the BaBar Experiment (MO-P7-11)</i>	<b>E. Galiano (c)</b> Laurentian U. <i>The Digital Radiographic and Computed Tomography Imaging of Two Types of Explosive Devices (MO-P15-5)</i>		↓	
17h30		<b>A. Aleksejevs (c)</b> U.Manitoba <i>Parity-Violating Hard Photon Bremsstrahlung in Electron-Proton Scattering (MO-P7-12)</i>	Session Ends / Fin de la session		(30 min. discussion plus 1 hour CEWIP meeting - Session ends at 19h00)	
17h45		<b>J. Lu (c)</b> TRIUMF <i>Measurement of Azimuthal Asymmetries Associated with Deeply-Virtual Compton Scattering (MO-P7-13)</i>			↓	
18h00	<b>CJP Editorial Board Meeting / Réunion du Comité de rédaction de la RCP</b> (Heartland Bdrm)	Session Ends / Fin de la session				

19h00

## Poster Session, with Beer

Winnipeg Convention Centre

Canadian Astronomical Society / Société canadienne d'astronomie

Atmospheric and Space Physics / Physique atmosphérique et de l'espace

Atomic and Molecular Physics / Physique atomique et moléculaire

Condensed Matter and Materials Physics / Physique de la matière condensée et matériaux

Nuclear Physics / Physique nucléaire

Optics and Photonics / Optique et photonique

MO-POS-1 - 68

MO-POS-69 - 70

MO-POS-71 - 80

MO-POS-81 - 95

MO-POS-96 - 101

MO-POS-102

## Tuesday, June 15

TIME HEURE	Other Locations Autres endroits	Ballroom A	Ballroom B	Ballroom C	Colbourne	Kildonan
07h00	Meeting of the Canadian National IUPAP Liaison Committee (07h00-09h00) - Private Dining Room (TU-A1)					
08h30			<b>TU-A2 (CAP/ACP)</b> Plenary Session plénière Chair: M. Paranjape, U.Montreal <b>NIMA ARKANI-HAMED</b> Harvard U. <i>The Crises of Frontier Physics: From the Hubble Length to the Planck Length (TU-P1-1)</i>			
08h45			↓			
09h00			↓			

Strathcona	Westminster	Campaign A	Victoria	Albert	Campaign B	TIME HEURE
			↓	↓		17h15
	<b>Physics in Canada Editorial Board Meeting</b> <i>Réunion du Comité de rédaction de La Physique au Canada</i> (Ends at 19h00 / Se termine à 19h00)		<b>HIGGS, Paul</b> McMaster U. <i>Bacterial Phylogenetics and Horizontal Gene Transfer (MO-P13-5)</i>	↓	<b>MO-P17 (CASCA)</b> <b>NSERC GSC-017: Possible Change to Funding Envelope in Astronomy / Modification possible du financement d'enveloppe pour l'astronomie</b> Chair: G. Harris, U. Waterloo	17h30
			↓	↓	↓	17h45
			Session Ends / Fin de la Session	Session ends at 19h00 / Session se termine à 19h00	Session ends at 18h15 / Session se termine à 18h15	18h00

**19h00** Winnipeg Convention Centre  
**Session d'affiches, bière servie**

<b>Physics Education / L'enseignement de la physique</b> MO-POS-103	<b>Theoretical Physics / Physique théorique</b> MO-POS-104 - 114	<b>Industrial and Applied Physics / Physique industrielle et appliquée</b> MO-POS-115	<b>Instrumentation and Measurement Physics / Physique des instruments et mesures</b> MO-POS-116 - 117	<b>Medical and Biological Physics / Physique médicale et biologique</b> MO-POS-118 - 124	<b>Canadian Organization of Medical Physicists / L'Organisation des physiciens médicaux</b> MO-POS-125 - 149
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**Mardi, le 15 juin**

Strathcona	Westminster	Campaign A	Victoria	Albert	Campaign B	TIME HEURE
(TU-A1) Réunion du comité de liaison national Canadien (IUPAP) (07h00-09h00) - Private Dining Room						07h00
				<b>TU-A3 (COMP-DMBP/ OCPM-DPMB)</b> <b>YOUNG INVESTIGATORS IN MEDICAL AND BIOLOGICAL PHYSICS I / JEUNES CHercheurs(Ses) en Physique Médicale et Biologique I</b> Chair: L.J. Schreiner, Queen's U.	<b>TU-A4 (CASCA)</b> <b>IMAGING WITH ALMA / IMAGERIE À L'AIDE DE L'ALMA</b> Chair: L. Knee, NRC	
				<b>B. Warkentin (c)</b> Cross Cancer Inst. <i>3-D Verification of IMRT Treatments Using a Flat-Panel EPID (TU-A3-1)</i>	<b>To be announced / à venir</b> <i>Imaging Star and Galaxy Formation with ALMA (TU-A4-1)</i>	08h30
				<b>G. Cranmer-Sargison (c)</b> U. Victoria <i>Benchmarking a Multi-Leaf Collimator Particle Transport Algorithm for IMRT Field Verification (TU-A3-2)</i>	↓	08h45
				<b>B. Schaly (c)</b> London Reg. Cancer Centre <i>Dose Tracking for Adaptive Radiation Therapy (TU-A3-3)</i>	↓ Session Ends at 09h15 / Session se termine à 09h15	09h00

TIME HEURE	Other Locations Autres endroits	Ballroom A	Ballroom B	Ballroom C	Colbourne	Kildonan
09h15			<b>TU-A5</b> Plenary Session plénière (CAP Medal of Achievement winner - Récipiendaire de la médaille ACP) Chair: B. Joos, U.Ottawa <b>MICHAEL THEWALT</b> SFU <i>Optical Spectroscopy in                      Semiconductors (TU-A5-1)</i>			
09h30			↓			
09h45			↓			
		<b>TU-A14</b> (DAMP/DPAM) ATOMIC AND MOLECULAR SPECTROSCOPY AND DYNAMICS I / SPECTROSCOPIE ET DYNAMIQUE ATOMIQUE ET MOLECULAIRE I Chair: P. Zetner, U.Manitoba	<b>TU-A7</b> (DCMMP/DPMC) IMPACT OF HIGH PERFORMANCE COMPUTING ON MATERIALS RESEARCH / IMPACT DE L'INFORMATIQUE À HAUTE PERFORMANCE SUR LA RECHERCHE SUR LES MATÉRIAUX Chair: G. Slater, U.Ottawa	<b>TU-A11</b> (DNP-CASCA/ DPN-CASCA) NOVAE AND SUPERNOVAE / NOVAS ET SUPERNOVAS Chair: S. Safi-Harb, U.Manitoba	<b>TU-A13</b> (DCMMP/DPMC) CORRELATED ELECTRONS/MAGNETISM / ÉLECTRONS CORRÉLÉS/ MAGNÉTISME Chair: W.J.L. Buyers, NRC	<b>TU-A9</b> (DTP-PPD DPT-PPD) PARTICLE-STRINGS-FIELDS / PARTICULES-FICELLES-CHAMPS Chair: R. MacKenzie, U.Montreal
10h00		<b>HEPBURN, John</b> UBC <i>Spectroscopy and                      Dynamics of Threshold                      Ionization of Clusters and                      Small Molecules                      (TU-A14-1)</i>	<b>COTE, Michel</b> U.Montreal <i>Virtual Experiments:                      Applications of Density                      Functional Theory on                      Large-Scale Computational                      Facilities (TU-A7-1)</i>	<b>HWANG, Una</b> NASA/GSFC <i>Windows into                      Nucleosynthesis from                      X-Ray Observations of                      Supernova Remnants                      (TU-A11-1)</i>	<b>CHAKRABORTY, Tapash</b> U.Manitoba <i>How to Probe a                      Fractionally-Charged                      Quasihole? (TU-A13-1)</i>	<b>HOLDOM, Bob</b> U.Toronto <i>Ghostly Tales (TU-A9-1)</i>
10h15		↓	↓	↓	↓	↓
10h30		<b>JAEGER, Wolfgang</b> U.Alberta <i>Spectroscopy of He<sub>N</sub>-                      Molecule Clusters: A                      Probe of the Onset of                      Superfluidity?                      (TU-A14-2)</i>	<b>SORENSEN, Erik</b> McMaster U. <i>Kondo Effect and                      Persistent Currents in                      Quantum Dot Systems                      (TU-A7-2)</i>	<b>MATZNER, Christopher</b> U.Toronto <i>Energy Feedback in Core-                      Collapse Supernovae                      (TU-A11-2)</i>	<b>C. Doiron (c)</b> U.Sherbrooke <i>Transport Gap in Quantum                      Hall Bilayers at Total Filling                      Factor <math>\nu = 5</math> (TU-A13-2)</i>	<b>LEE, Taejin</b> UBC <i>Free Field Representation                      of Rolling Tachyon                      (TU-A9-2)</i>
10h45		↓	↓	↓	<b>A. Faribault (c)</b> U.Sherbrooke <i>Pinning Mode of the                      Electron Crystals in Higher                      Landau Levels (TU-A13-3)</i>	↓
11h00		<b>VAN WIJNGAARDEN,                      William</b> York U. <i>Bose-Einstein                      Condensation in a QUIC                      Trap (TU-A14-3)</i>	<b>WHITMORE, Mark</b> MUN <i>High Performance                      Computing: The New and                      Growing Environment in                      Canada (TU-A7-3)</i>	Coffee Break / Pause café	Coffee Break / Pause café	<b>BERNSEN, Aaron</b> CHEP, McGill <i>Aspects of Brane-Gas                      Cosmology (TU-A9-3)</i>

Strathcona	Westminster	Campaign A	Victoria	Albert	Campaign B	TIME HEURE
				↓	<b>TU-A6</b> (CASCA) NEWS FROM SPACE - CONTRIBUTED TALKS / NOUVELLES DE L'ESPACE - PRÉSENTATIONS CONTRIBUÉES Chair: M. Fich, U. Waterloo	
				<b>W. Song (c)</b> London Reg. Cancer Centre <i>Limitations of a Convolution Method for Modeling Geometric Uncertainties in Radiotherapy: The Biologic Dose-Per-Fraction Effect (TU-A3-4)</i>	<b>C. Wilson (c)</b> McMaster U. <i>Odin Upper Limits on Water Emission in Starburst Galaxies (TU-A6-1)</i>	09h15
				<b>A. McNiven (c)</b> London Reg. Cancer Centre <i>On the Use of Plane Parallel Chambers for the Verification of Dose in Small Radiation Fields (TU-A3-5)</i>	<b>P. Barmby (c)</b> Harvard-Smithsonian CfA <i>Deep Mid-Infrared Imaging with the Spitzer Space Telescope (TU-A6-2)</i>	09h30
				<b>N. Venugopal (c)</b> U. Manitoba <i>Fast Three Dimensional Non-Linear Warping: Target Localization of Intraprostatic Lesions Using Magnetic Resonance Spectroscopic Images (TU-A3-6)</i>	<b>Session Ends / Fin de session</b>  <b>Coffee Break / Pause café</b>	09h45
	<b>TU-A8</b> (DTP/DPT) MATHEMATICAL PHYSICS / PHYSIQUE MATHÉMATIQUE Chair: I. Affleck, UBC	<b>TU-A12</b> (DIMP/DPIM) TECHNIQUES AND MEASUREMENTS IN SEMICONDUCTOR PHYSICS AND TRANSPORT PHENOMENA / TECHNIQUES ET MESURES EN PHYSIQUE DES SEMICONDUCTEURS ET PHÉNOMÈNES DE TRANSPORT Chair: A. Mandelis, U. Toronto	<b>TU-A10</b> (DAMP-DOP DPAM-DOP) COHERENT INTERACTIONS OF LASERS / INTERACTIONS COHÉRENTES DES LASERS Chair: J. Martin, U. Waterloo	↓	↓	
	<b>WALTON, Mark</b> U. Lethbridge <i>Finding NIM-reps (TU-A8-1)</i>	<b>GARCIA, Jose</b> Photo-Thermal Diagnostics <i>Photo-Carrier Radiometry of Semiconductors: Instrumentation and Ion-Implantation Studies (TU-A12-1)</i>	<b>HAUGEN, Harold</b> McMaster U. <i>Selected Studies of Femtosecond Laser Ablation and Modification of Semiconductors (TU-A10-1)</i>	<b>Session Ends / Fin de session</b>  <b>Coffee Break / Pause café</b>	<b>TU-A15</b> (CASCA) NEWS FROM SPACE - THE MOST SATELLITE / NOUVELLES DE L'ESPACE - LE SATELLITE MOST Chair: C. Robert, U. Laval	10h00
	↓	↓	↓	<b>TU-A16</b> (COMP-DMBP) YOUNG INVESTIGATORS IN MEDICAL AND BIOLOGICAL PHYSICS II / JEUNES CHERCHEURS(S) EN PHYSIQUE MÉDICALE ET BIOLOGIQUE II Chair: J.P. Bissonnette Princess Margaret Hospital	<b>JAYMIE MATTHEWS</b> UBC <i>Space Science in a Suitcase: Early Results from MOST (TU-A15-1)</i>	10h15
	<b>SNIATYCKI, Jędrzej</b> U. Calgary <i>Gauge Symmetries in Yang-Mills Theory (TU-A8-2)</i>	<b>GUREVICH, Yuri</b> Cinvestav <i>The Transport of Nonequilibrium Carriers in Semiconductor Structures (New Point of View) (TU-A12-2)</i>	<b>M. Cowan (c)</b> U. Toronto <i>Diffractive Optics Based 2-D IR Spectroscopy: A New Probe of Hydrogen Bonded Networks (TU-A10-2)</i>	<b>S. White (c)</b> Carleton U. <i>Absolute Volume Estimation from 3D Hyperpolarized Xenon Images - A Monte Carlo and Phantom Study (TU-A16-1)</i>	↓	10h30
	↓	↓	<b>Coffee Break / Pause café</b>	<b>M. Gordon (c)</b> U. Toronto <i>Doppler Optical Coherence Tomography for Monitoring Anti-Cancer Therapies (TU-A16-2)</i>	↓	10h45
	<b>ROWE, David</b> U. Toronto <i>Quasi-Dynamical Symmetry in the Approach to a Second-Order Phase Transition (TU-A8-3)</i>	<b>Coffee Break / Pause café</b>	↓	<b>K. Nakonechny (c)</b> U. Alberta <i>Scatter Tails in CT Single Scan Dose Profiles Measured with a Diamond Detector (TU-A16-3)</i>	<b>TU-A17</b> CASCA Plaskett Award Conference Plaskett CASCA Chair: R. Taylor, U. Calgary <b>JO-ANNE BROWN</b> U. Calgary <i>Visualizing the Invisible Using Polarization Observations (TU-A17-1)</i>	11h00

TIME HEURE	Other Locations Autres endroits	Ballroom A	Ballroom B	Ballroom C	Colbourne	Kildonan
11h15		↓	↓	↓	<b>K.J. Vos (c)</b> U.Lethbridge <i>The Formation of Stripes and the Enhancement of Pairing in the Anisotropic t-J Model (TU-A13-4)</i>	↓
11h30		<b>GRIFFIN, Allan</b> U.Toronto <i>Molecular BEC Condensate vs a BCS Superfluid in a Trapped Atomic Fermi Gas (TU-A14-4)</i>	<b>S. Bekhechi (c)</b> U.Manitoba <i>Short-time Dynamics of Stacked Triangular Antiferromagnets (TU-A7-4)</i>	<b>SCHATZ, Hendrik</b> Michigan State U. <i>Nuclear Physics on Accreting Neutron Stars - From X-Ray Bursts to Superbursts (TU-A11-3)</i>	<b>B.W. Statt (c)</b> U.Toronto <i>Pseudogap in Ortho-II YBCO: NMR vs. INS (TU-A13-5)</i>	<b>GREGOIRE, Thomas</b> CERN <i>Little Higgs Models and Electroweak Precision Measurements (TU-A9-4)</i>
11h45			<b>B. Joos (c)</b> U.Ottawa <i>Viscoelastic and Thermodynamic Properties of Short Chain Polymer Melts with van der Waals Interactions Near the Glass Transition (TU-A7-5)</i>	↓	<b>K.C. Hewitt (c)</b> Dalhousie U. <i>Continuous Map of the Phase Diagram of High Temperature Superconductors Using a Composition Spread Approach (TU-A13-6)</i>	↓
12h00		<b>A. Madej (c)</b> INMS - NRC <i>Measuring a Single Ion at the Limits of Time (TU-A14-5)</i>	<b>J. Polson (c)</b> UPEI <i>Simulation Study of Equilibrium Polymer Dynamics (TU-A7-6)</i>	<b>D. Ballantyne (c)</b> CITA <i>Visualizing the Inner Regions of Accretion Disks around Neutron Stars Using Superbursts (TU-A11-4)</i>	<b>M.P. Bourgeois (c)</b> U.Laval <i>Unbiased Laser Detection in Uncooled YBCO Thin Films (TU-A13-7)</i>	<b>POSPELOV, Maxim</b> U.Victoria <i>Search for Dark Matter in <math>b \rightarrow s</math> Transition with Missing Energy (TU-A9-5)</i>
12h15		<b>N. Moazzen-Ahmadi (c)</b> U.Calgary <i>High Resolution Laser Spectroscopy of CCO in the C-C and C-O Stretching Regions (TU-A14-6)</i>	<b>S. Ferdous (c)</b> MUN <i>Ab Initio Polarizabilities of Conducting Polymers (TU-A7-7)</i>	<b>L.R. Buchmann (c)</b> TRIUMF <i>The <math>^{12}\text{C}(\alpha, \gamma)^{16}\text{O}</math> Reaction: Overview and Results of DRAGON (TU-A11-5)</i>	<b>R.A. Lessard (c)</b> U.Laval <i>Fabrication et caractérisation de couches minces de YBaCuO : optimisation de la cristallisation (TU-A13-8)</i>	↓
12h30		Session Ends / Fin de la session	Session Ends / Fin de la session	Session Ends / Fin de la session	Session Ends / Fin de la session	Session Ends / Fin de la session
					<b>DNP Business Mtg (with lunch) - Ends at 13h30</b> <b>Réunion d'affaires DPN (lunch compris) - Se termine à 13h30</b>	
13h15						
13h30			<b>TU-P3</b> Plenary Session plénière (CAP Herzberg Medal winner - récipiendaire de la médaille Herzberg de l'ACP) Chair: B. Joos, U.Ottawa <b>KASPI, Victoria</b> McGill U. <i>Revolutions in Neutron Star Astrophysics (TU-P3-1)</i>			
13h45				↓		

Strathcona	Westminster	Campaign A	Victoria	Albert	Campaign B	TIME HEURE
	↓	<b>HALLEN, Hans</b> North Carolina State U. <i>Electron-Induced Motion of Atoms: Mechanisms and Insights about Hot Electron Transport (TU-A12-3)</i>	<b>SIPE, John</b> U.Toronto <i>Optically Injected Spin Currents in Semiconductors (TU-A10-3)</i>	<b>X. Wu (c)</b> U.Toronto <i>Development of Novel Multi-Focus Acoustic Lens Transducer Systems for Ultrasound Thermal Therapy (TU-A16-4)</i>	↓	11h15
	<b>EDERY, Ariel</b> Bishop's U. <i>Compact Formulas for Casimir Energies in D-Dimensions via Operator Technique (TU-A8-4)</i>	↓	↓	<b>A. Tunis (c)</b> U.Toronto <i>High Frequency Ultrasound Monitoring of Structural Changes in Cells and Tissues (TU-A16-5)</i>	Session Ends at 11h45 / Session se termine à 11h45 <b>TU-A18</b> (CASCA) <b>IMAGING IN THE SUBMILLIMETRE WINDOW / IMAGERIE DANS LA FENÊTRE SOUS-MILLIMÉTRIQUE</b> Chair: P. Martin, U.Toronto	11h30
	↓	<b>E. Blackmore (c)</b> TRIUMF <i>Ground-Based Testing of Electronic Devices for Space Radiation Effects (TU-A12-4)</i>	<b>S. Peles (c)</b> Georgia Inst. of Tech. <i>A Theoretical Model of Synchrony for Coupled Fiber Lasers (TU-A10-4)</i>	<b>K. Surry (c)</b> Robarts Res.Inst. <i>Three Dimensional Ultrasound and Stereotactic Mammography Guided Biopsy: A Dual Modality System (TU-A16-6)</i>	<b>R. Taylor (c)</b> U.Calgary <i>Cold Hydrogen Clouds in the Milky Way: An Evolutionary Missing Link? (TU-A18-1)</i>	11h45
	<b>PATERA, Jiri</b> U.Montreal <i>Orbit Functions of Compact Lie Groups and Their Applications (TU-A8-5)</i>	<b>V. Kovaltchouk (c)</b> U.Regina <i>Silicon Photomultiplier as a Readout System for a Barrel Calorimeter (GlueX Project) (TU-A12-5)</i>	Session Ends / Fin de la session	Session Ends / Fin de la session	<b>T. Webb (c)</b> Leiden Observatory <i>A Submm Survey of High-Redshift Clusters: A submm Butcher-Oemler Effect? (TU-A18-2)</i>	12h00
	↓	<b>K.M. Cheng (c)</b> U.Manitoba <i>Dynamic Response of a Pair of Electrostatically Coupled Cantilevers: Experimental Characterization and Modelling (TU-A12-6)</i>			<b>C. Borys (c)</b> Caltech <i>Sub-millimetre Science with the New Generation of Total-Power, CCD-Style Bolometer Arrays (TU-A18-3)</i>	12h15
<b>DPP Business Mtg Ends at 13h30</b> <i>Réunion d'affaires DPP Se termine à 13h30</i>	Session Ends / Fin de la session <b>DOP Business Mtg (with lunch) - Ends at 13h30</b> <i>Réunion d'affaires DOP (lunch compris) - Se termine à 13h30</i>	Session Ends / Fin de la session <b>DMBP Business Mtg (with lunch) - Ends at 13h30</b> <i>Réunion d'affaires DPMB (lunch compris) - Se termine à 13h30</i>			Session Ends / Fin de la session <b>TU-A19</b> (CASCA) <b>ALMA Information Session / Session d'information sur l'ALMA -</b> Chair: C. Wilson, McMaster U	12h30
			<b>TU-P2</b> (COMP-DMBP/OCPP-DMBP) <b>MICROIMAGING / MICROIMAGERIE</b> Chair: A. Pejovic-Milic Ryerson U.	<b>TU-P1</b> (COMP-DMBP/OCPP-DMBP) <b>RADIOBIOLOGY AND TISSUE CHARACTERIZATION / BIOLOGIE RADIOLOGIQUE ET CARACTÉRISATION DES TISSUS</b> Chair: D.E. Wilkins Ottawa Reg.CancerCen.	↓	
			<b>K. Whittingstall (c)</b> Dalhousie U. <i>Localization of Neural Activity in the Human Brain (TU-P2-1)</i>	<b>M. Carone (c)</b> Ottawa Reg.Cancer Centre <i>Parameter Correlation for a Fully Heterogeneous Tumour Control Mode (TU-P1-1)</i>	↓	13h15
			<b>M. Martin (c)</b> Caltech <i>Visualizing Myelin Disorders in Vivo (TU-P2-2)</i>	<b>N. Ahmed (c)</b> Mount Allison U. <i>Radiation Energy Deposition Calculations Using Monte Carlo Simulations in K-shell X-ray Fluorescence Bone Lead Measurements (TU-P1-2)</i>	Session Ends / Fin de la session	13h30
			<b>W. Ens (c)</b> U.Manitoba <i>Molecular Imaging Using an Orthogonal-Injection Time-of-Flight Mass Spectrometer with a Matrix-Assisted Laser Desorption Ionization Source (TU-P2-3)</i>	<b>J. Hayward (c)</b> Juravinski Cancer Centre <i>Monitoring the Response of Mycosis Fungoides to Total Skin Electron Irradiation with Optical Coherence Tomography (TU-P1-3)</i>		13h45

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14h00				↓		
		<b>TU-P10</b> (DOP-CASCA) <b>ADAPTIVE OPTICS IN ASTRONOMY, BIOLOGY, MEDICINE, AND PHYSICS / OPTIQUE ADAPTATIVE EN ASTRONOMIE, BIOLOGIE, MÉDECINE ET PHYSIQUE</b> Chair: M. Campbell, U.Waterloo	<b>TU-P4</b> (DCMMP/DPMCM) <b>YOUNG INVESTIGATORS IN CONDENSED MATTER PHYSICS I / JEUNES CHERCHEURS(SES) EN PHYSIQUE DE LA MATIÈRE CONDENSÉE I</b> Chair: H. Kreuzer, Dalhousie U.	<b>TU-P9</b> (DAMP/DPAM) <b>ATOMIC AND MOLECULAR SPECTROSCOPY AND DYNAMICS II / SPECTROSCOPIE ET DYNAMIQUE ATOMIQUE ET MOLECULAIRE II</b> Chair: W. van Wijngaarden York U.	<b>TU-P8</b> (DIMP/DPIM) <b>GENERAL MEASUREMENT PHYSICS / PHYSIQUE DES MESURES GÉNÉRALES</b> Chair: A. Mandelis, U.Toronto	
14h15		<b>DAVIDGE, Tim</b> NRC <i>Adaptive Optics Systems on Canadian Telescopes (TU-P10-1)</i>	<b>WICKHAM, Robert</b> St. Francis Xavier U. <i>Kinetics of Self-Assembly in Block Copolymer Melts (TU-P4-1)</i>	<b>DRAKE, Gordon</b> U.Windsor <i>Exotic Nuclear Size Measurements from High Precision Atomic Theory (TU-P9-1)</i>	<b>KOLIOS, Michael</b> Ryerson U. <i>Micrometer Particle Sizing Using High Frequency Ultrasound with Biological Applications (TU-P8-1)</i>	
14h30		↓		↓	↓	↓
14h45		<b>M. Campbell (c)</b> U.Waterloo <i>Adaptive Optics: Implications to Diagnosis and Treatment of Eye Disease (TU-P10-2)</i>	<b>DENNISTON, Colin</b> UWO <i>Dynamic Boundaries in Complex Fluids (TU-P4-2)</i>	<b>ZETNER, Peter</b> U.Manitoba <i>Progress in the Investigation of Electron Collisions with Laser Excited Atoms (TU-P9-2)</i>	<b>D. Dahn (c)</b> UPEI <i>A Capacitance-Based Detector for Monitoring Bumblebees (TU-P8-2)</i>	
15h00	<b>(TU-P15)</b> Heartland Boardroom <b>World Year of Physics Committee Meeting / Réunion du Comité pour l'Année mondiale de la physique</b>	<b>Coffee Break / Pause café</b>	↓	↓	<b>Coffee Break / Pause café</b>	
15h15		↓	<b>Coffee Break / Pause café</b>	<b>Coffee Break / Pause café</b>	↓	
15h30		<b>MUNGER, Rejean</b> U.of Ottawa Eye Inst. <i>Adaptive Optics: Implications to Optical Correction of the Eye (TU-P10-3)</i>	↓	<b>J. Cooper (c)</b> U.Calgary <i>Ab Initio Determination of Molecular Parameters for Ethane-Like Molecules (TU-P9-3)</i>	<b>HALLEN, Hans</b> North Carolina State U. <i>Electric Field Effects in Nanoscale Raman Spectroscopy (TU-P8-3)</i>	
15h45		↓	<b>KILFOIL, Maria</b> McGill U. <i>Consequences of Being Soft: Equilibrium Concepts in Nonequilibrium, Soft Materials Using Real Space Imaging (TU-P4-3)</i>	<b>L.-H. Xu (c)</b> UNB <i>Rotational Spectra, Conformational Structures and Dipole Moments of Thiodiglycol by Jet-Cooled FTMW and Ab Initio Calculations (TU-P9-4)</i>	↓	
16h00		<b>E. Borra (c)</b> U.Laval <i>Nanoengineered Adaptive Optics (TU-P10-4)</i>	↓	<b>Z. Abusara (c)</b> U.Calgary <i>Infrared Laser Spectroscopy of CCO: The <math>\nu_3</math> Band of the <math>\bar{a}^1\Delta</math> Electronic State (TU-P9-5)</i>	<b>E. Galiano (c)</b> Laurentian U. <i>Theoretical Estimates of the Solid Angle Subtended by a Dual Diaphragm-Detector Assembly for Alpha Sources (TU-P8-4)</i>	
16h15		Session Ends / Fin de la session	<b>HILL, Ian G.</b> Dalhousie U. <i>Contact Resistance in Organic Thin-Film Transistors (TU-P4-4)</i>	<b>N. Moazzen-Ahmadi (c)</b> U.Calgary <i>The <math>\nu_9 + \nu_4 - \nu_4</math> Band of Ethane (TU-P9-6)</i>	<b>D. Hoult (c)</b> NRC <i>The Quantum Origins of the NMR Signal: A Paradigm for Faraday Induction (TU-P8-5)</i>	

Strathcona	Westminster	Campaign A	Victoria	Albert	Campaign B	TIME HEURE
			Session Ends / Fin de la session	<b>R. LeClair (c)</b> Laurentian U. <i>Identification of Breast Specimens via Low-Angle X-Ray Scatter Measurements with a Digital Imaging System (TU-P1-4)</i>		14h00
<b>TU-P11</b> (DPE/DEP) <b>NEW DIRECTIONS IN THE PHYSICS CURRICULUM / NOUVELLES ORIENTATIONS DANS LES PROGRAMMES D'ÉTUDES EN PHYSIQUE</b> Chair: S.P. Goldman, UWO	<b>TU-P6</b> (DTP/DPT) <b>PARTICLE PHYSICS II / PHYSIQUE DES PARTICULES II</b> Chair: M. Shegelski, UNBC	<b>TU-P5</b> (PPD) <b>THE ENERGY FRONTIER IN PARTICLE PHYSICS / LA FRONTIÈRE DE L'ÉNERGIE EN PHYSIQUE DES PARTICULES</b> Chair: P.W. Krieger, U.Toronto	<b>TU-P7</b> (DTP-DCMMP/ DPT-DPMC) <b>STATISTICAL PHYSICS / PHYSIQUE STATISTIQUE</b> Chair: J. Patera, CRM/U.Montreal	↓  Session Ends at 14h15 / Fin de la session à 14h15	<b>TU-P12</b> (CASCA) <b>MEASURING HIDDEN PARTS OF GALAXIES / MESURE DES PARTIES CACHÉES DES GALAXIES</b> Chair: A. Gulliver, Brandon U.	
<b>W. Baylis (c)</b> U.Windsor <i>Teaching Relativity in Introductory Physics (TU-P11-1)</i>	<b>DUTTA, Bhaskar</b> U.Regina <i>Minimal SO(10) Model for Neutrinos and Its Implications (TU-P6-1)</i>	<b>KORDAS, Kostas</b> U.Toronto <i>Recent Results from the Collider Detector at Fermilab (TU-P5-1)</i>	<b>AFFLECK, Ian</b> UBC <i>Field-Induced Phase Transition in Anisotropic Haldane Gap Antiferromagnetic Chains (TU-P7-1)</i>	<b>TU-P13</b> (COMP-DMBP/ OCPM-DPMB) <b>MEDICAL APPLICATIONS OF SOUND: IMAGING AND BEYOND / APPLICATIONS MÉDICALES DU SON : L'IMAGERIE ET AU-DELÀ</b> Chair: W.M. Whelan, Ryerson U.	<b>C. Ryan (c)</b> Sunnybrook/UToronto <i>Are the Central Engines in Narrow-Line Seyfert Is Fundamentally Different? (TU-P12-1)</i>	14h15
<b>D. Mathewson (c)</b> Kwantlen U. College <i>A Conceptual Treatment of Gauss' Law (TU-P11-2)</i>	↓	↓	↓	<b>BRONSKILL, Michael</b> U.Toronto <i>MRI Guidance for the New Sounds of Tumour Therapy (TU-P13-1)</i>	<b>K. Douglas (c)</b> U.Calgary <i>Analysis of Gas and Dust Emission in the Interstellar Medium of the Outer Galaxy with the Canadian Galactic Plane Survey (TU-P12-2)</i>	14h30
<b>G. McGuire (c)</b> UCFV <i>Novel Computer Algebra Physics Problems (TU-P11-3)</i>	<b>MARLEAU, Luc</b> U.Laval <i>Revisiting the Skyrme Model (TU-P6-2)</i>	<b>MAZINI, Rachid</b> U.Toronto <i>The ATLAS Detector Physics Potential (TU-P5-2)</i>	<b>HERBUT, Igor</b> SFU <i>Theory of Underdoped Cuprates as Strongly Fluctuating d-wave Superconductors (TU-P7-2)</i>	↓	<b>TU-P14</b> (CASCA) <b>Outgoing President's Talk / Conférence du président sortant</b> Chair: J. Hesser, NRC <b>GRETCHEN HARRIS</b> U.Waterloo <i>CASCA 1971-2004: The Story So Far (TU-A14-1)</i>	14h45
<b>A. Rogers (c)</b> U.Manitoba <i>Magical Squares in University Physics Education (TU-P11-4)</i>	↓	↓	↓	<b>CLARKE, Robert</b> Carleton U. <i>High Intensity Focused Ultrasound for Non-Invasive Therapy (TU-P13-2)</i>	↓	15h00
Session Ends / Fin de la session	<b>Coffee Break / Pause café</b>	<b>CORRIVEAU, Francois</b> IPP/McGill U. <i>Recent ZEUS Results at HERA (TU-P5-3)</i>	<b>Coffee Break / Pause café</b>	↓	<b>Coffee Break / Pause café</b>	15h15
	<b>TROTTIER, Howard</b> SFU <i>Perturbation Theory for High-Precision Lattice QCD (TU-P6-3)</i>	↓	<b>OSHIKAWA, Masaki</b> Tokyo Inst. of Tech. <i>Junctions of Three Quantum Wires and the Dissipative Hofstadter Model (TU-P7-3)</i>	<b>BROWN, J.A.</b> Queen's U. <i>Development and Applications of High Frequency Ultrasound Imaging Systems (TU-P13-3)</i>	↓	15h30
	↓	<b>Coffee Break / Pause café</b>	↓	↓	<b>TU-P16</b> (CASCA) <b>Long Range Plan Review / Examen du plan à long terme</b> Chair: R.Pudritz, McMaster U (ends at 16h30 / se termine à 16h30)	15h45
	<b>DATTA, Alakabha</b> U.Toronto <i>Getting CP Violating Phase Information From <math>b \rightarrow d</math> Penguins (TU-P6-4)</i>	↓	<b>TREMBLAY, Andre-Marie</b> U.Sherbrooke <i>Two Ways to Destroy a Fermi Liquid (TU-P7-4)</i>	<b>KOLIOS, Michael</b> Ryerson U. <i>High Frequency Ultrasound Imaging and Spectroscopy for the Imaging of Cell Damage and Death (TU-P13-4)</i>		16h00
	↓	<b>B. Vachon (c)</b> Fermi Natl Accel.Lab. <i>Search for the Production of Single Top Quarks in High Energy Proton-Antiprotons Collisions (TU-P5-4)</i>	↓	↓		16h15

TIME HEURE	Other Locations Autres endroits	Ballroom A	Ballroom B	Ballroom C	Colbourne	Kildonan
16h30				↓	D. Tokaryk (c) UNB <i>High Resolution Laser Spectroscopy of Magnesium Monoacetylide (TU-P9-7)</i>	A. Liptak (c) UBC <i>Modulation of Partial Internal Reflection at an Optical Interface (TU-P8-6)</i>
16h45			Session Ends / Fin de la session		L-H. Xu (c) UNB <i>Lamb-Dip Observations and Assignments of Some Compact Q-Branches in the 11 μm Region for 1,3 Butadiene (TU-P9-8)</i>	Session Ends / Fin de la session
17h00					Session Ends / Fin de la session	
17h15						
17h30						

19h00	<b>Banquet Reception</b>					Ballrooms A/B/C
19h30	<b>Banquet</b>					

**Wednesday, June 16**

TIME HEURE	Other Locations Autres endroits	Ballroom A	Ballroom B	Ballroom C	Colbourne	Kildonan
07h00	(WE-A1) - Meeting of the CAP-NSERC Liaison Committee (07h00-09h00) - Heartland Boardroom (WE-A2) - DPE Breakfast Business Meeting (07h00 - 08h15) - Private Dining Room					
08h30			<b>WE-A3</b> CAP Plenary Session plénière ACP Chair: M. Morrow, MUN <b>AARON FENSTER</b> Robarts Research Institute <i>Use of 3D Ultrasound Imaging in Diagnosis, Treatment and Research: Advances and Opportunities (WE-A3)</i>			
0845				↓		
09h00				↓		

Strathcona	Westminster	Campaign A	Victoria	Albert	Campaign B	TIME HEURE
	<b>DICK, Rainer</b> U.Saskatchewan <i>Theoretical Aspects of Ultra-High Energy Cosmic Rays (TU-P6-5)</i>	<b>O. Stelzer-Chilton (c)</b> U.Toronto <i>Measuring the W Boson Mass with CDF in Run IIa (TU-P5-5)</i>	<b>SAINT-AUBIN, Yvan</b> U.Montreal <i>Behavior of the Two-Dimensional Ising Model at the Boundary of a Half-Infinite Cylinder (TU-P7-5)</i>	<b>G. Spirou (c)</b> U.Toronto <i>Photoacoustic Imaging in Biological Tissues for Monitoring Thermal Lesions (TU-P13-5)</i>	<b>TU-P17</b> <b>CASCA Annual General Meeting / Assemblée générale de la CASCA</b> Chair: G. Harris, U.Waterloo	16h30
	↓	<b>R. Moore (c)</b> U.Alberta <i>Searches for SUSY at D0 (TU-P5-6)</i>	↓	<b>R. Vlad (c)</b> Ontario Cancer Inst. <i>High Frequency Ultrasound in Monitoring Liver Suitability for Transplantation (TU-P13-6)</i>		16h45
	Session Ends / Fin de la session	<b>S. Sabik (c)</b> U.Toronto <i>Study of Jet Fragmentation for the Measurement of the Top Mass with CDF (TU-P5-7)</i>	Session Ends / Fin de la session	Session Ends / Fin de la session		17h00
		<b>K. Garrow (c)</b> TRIUMF <i>Observation of a <math> S =1</math> Baryon State at a Mass of 1.528-GeV in Quasi-Real Photoproduction (TU-P5-8)</i>				17h15
		Session Ends / Fin de la session				17h30

19h00	<b>Réception du banquet</b>	Ballrooms A/B/C
19h30	<b>Banquet</b>	

**Mercredi, le 16 juin**

Strathcona	Westminster	Campaign A	Victoria	Albert	Campaign B	TIME HEURE
(WE-A1) - Réunion du comité de liaison ACP-CRSNG (07h00-09h00) - Heartland Boardroom (WE-A2) - Réunion d'affaires DEP (07h00 - 08h51) - Private Dining Room						07h00
				<b>WE-A5 (COMP/OCPM)</b> <b>RADIATION TREATMENT PLANNING / PLANIFICATION D'UNE RADIOTHÉRAPIE</b> Chair: W. Beckham, BC Cancer Agency	<b>WE-A4 (CASCA)</b> <b>PORTRAITS AT MULTIPLE WAVELENGTHS / PORTRAITS À LONGUEURS D'ONDES MULTIPLES</b> Chair: I. Short, Saint Mary's U.	
				<b>P. Potrebko (c)</b> CancerCare Manitoba <i>A Broad Beam Analytical Photon Scatter Model Employing Convolution Techniques (WE-A5-1)</i>	<b>M. Bietenholz (c)</b> York U. <i>Time-Evolution and Radio-Optical Correlations in the Synchrotron Emission of The Crab Nebula (WE-A4-1)</i>	08h30
				<b>N. Blais (c)</b> Hopital Maisonneuve-Rosemont <i>Evaluation of the Rectangular Scatter Integration Model (RSI) (WE-A5-2)</i>	<b>A. Moffatt (c)</b> U.Montreal <i>Wind-Wind Collisions from X-Ray to Radio: The Massive Prototype Binary WR140 (WE-A4-2)</i>	08h45
				<b>L. Buckley (c)</b> Carleton U./NRC <i>A Correlated Sampling User-Code for the EGSnrc System (WE-A5-3)</i>	<b>WE-A6 (CASCA)</b> <b>DATA MINING AND ARCHIVING / EXPLOITATION ET ARCHIVAGE DES DONNÉES</b> Chair: R. Bochonko, U.Manitoba <b>DAVID SCHADE</b> NRC <i>Data Mining and the Virtual Observatory (WE-A6-1)</i>	09h00