

2022 CAP Congress / Congrès de l'ACP 2022

Sunday, 5 June 2022

Congress Registration | Inscription au congrès (12:00 - 15:00 and 18h30 - 21h00) - MDCL Lobby (14:35 - 15:00)

Graduate Student Workshop (TBD) | Atelier pour les étudiant(e)s diplômé(e)s - Building ABB 136, Physics & Astronomy

Dept. (15:00 - 18:00)

-Conveners: Cissy Suen

CAP Board, Council and Friends Social | Réunion du conseil d'administration, du conseil et des amis de l'ACP - The

Phoenix Bar and Grill (16:00 - 18:00)

-Conveners: Manu Paranjape

CAP Past Presidents' Working Dinner Meeting | Réunion et souper des ancien(ne)s président(e)s de l'ACP - The Phoenix

Bar and Grill, Alcove (18:00 - 20:00)

-Conveners: Manu Paranjape

Monday, 6 June 2022

Congress Registration and Information (07h30-17h30) | Inscription au congrès et information (07h30-17h30) - MDCL Lobby (07:05 - 07:30)

CNILC Breakfast Meeting | Réunion du comité de liaison national canadien de l'UIPPA - MDCL 2230 (07:30 - 08:30)

-Conveners: Rituparna Kanungo

Congress Welcoming Remarks | Ouverture du Congrès - MDCL 1305/07 (08:30 - 08:45)

High School / Cégep Teachers' Day Workshop (08h45-15h15) - MDCL Lobby then LRW Building (08:45 - 16:00)

-Conveners: Miranda Schmidt; Reza Nejat; Chris Meyer

M-PLEN1 - Plenary Session | Session plénière - Jane Heffernan - MDCL 1305/07 (08:45 - 09:30)

-Conveners: Cornelia Hoehr

time	[id] title	presenter
08:45	[3025] Mathematical Modelling of COVID-19	HEFFERNAN, Jane

M-PLEN2 Plenary Session | Session plénière - Arthi Jayaraman - MDCL 1305/07 (09:30 - 10:15)

-Conveners: Robert Wickham

time	[id] title	presenter
09:30	[3023] Combining modelling, theory, and simulations with experiments for design and structural characterization of soft materials	JAYARAMAN, Arthi

Health Break (Travel time to technical sessions) | Pause santé (Transfert vers les sessions techniques) - MDCL Hallways (10:15 - 10:45)

M1-3 Imaging - MRI (DPMB) | Imagerie - IRM (DPMB) - MDCL 1102 (10:45 - 12:15)

-Conveners: Cornelia Hoehr

time	[id] title	presenter
10:45	[3443] (I) On oxygen-enhanced MRI in the tumor microenvironment	REINSBERG, Stefan Alexander
11:15	[3278] (G*) Multicomponent T1 Magnetic Resonance Relaxometry with Neural Networks	PARASRAM, Tristhal
11:30	[3379] (G*) Novel Accelerated Imaging Method for 1H and 129Xe MRI with Deep Learning	PERRON, Samuel
11:45	[3279] (G*) Optimized Phase Cycling for Coherence Pathway Cancellation in Magnetic Resonance Imaging	ARMSTRONG, Mark

M1-10 Fields, Particles, and Strings I (DTP) | Champs, particules et cordes I (DPT) - MDCL 1115 (10:45 - 12:15)

-Conveners: Mark Walton

time	[id] title	presenter
10:45	[3092] (G*) New BPS Gravitational Solitons in Anti-de Sitter Spacetimes	DURGUT, Turkuler

11:00	[3177] (G*) Schwinger pair production - from fall to infinity to fall to the centre	SUNDARAM, Sriram
11:15	[3098] (I) String Theory, Antisymmetric Tensor Fields and Dark Matter	DICK, Rainer
11:45	[3346] A Little Excitement Across the Horizon	NG, Keith
12:00	[3014] Non-standard Inflation and Quantum Gravity	KAMALI, Vahid

M1-9 Exploring the Energy and Precision Frontier I (PPD) | Exploration de la frontière d'énergie et de précision I (PPD) -

MDCL 1105 (10:45 - 12:30)

-Conveners: Kate Pachal

time	[id] title	presenter
10:45	[3037] (G*) Measurement of the W Boson Drell-Yan Angular Coefficients with the ATLAS detector	BACHIU, Alexander
11:00	[3110] (G*) A study of hadronic tagged $B \rightarrow D^{(*)} \ell \ell \nu$ at the Belle II experiment	WAKELING, Hannah
11:15	[3163] (G*) Pion background measurement and correction in the MOLLER Experiment at Jefferson lab	GORGANNEJAD, Fatemeh
11:30	[3165] (G*) Search for multiquark states decaying to neutral strange particles: K_s^0 and Λ^0 (or $\bar{\Lambda}^0$)	PAUL, Antara
11:45	[3193] (G*) Study of the combined performance of the Digital Hadronic Calorimeter and Si-W Electromagnetic Calorimeter for the CALICE R&D Collaboration	ALMANZA SOTO, Melissa
12:00	[3519] (I) 2022 CAP Thesis Prize Winner -- Dominique Trischuk	

M1-7 Quantum Materials I (DCMMP) | Matériaux quantiques I (DPMCM) - MDCL 1010 (10:45 - 12:15)

-Conveners: Mark Gallagher

time	[id] title	presenter
10:45	[3425] (I) Quantum materials at the atomic scale	LUICAN-MAYER, Adina
11:15	[3429] (I) Formation of 1D and 2D carbon-based nanomaterials on surfaces	EBRAHIMI, Maryam
11:45	[3426] (I) Charge Transfer Processes in Molecularly Doped Organic Semiconductors	SALZMANN, Ingo

M1-1 Dark Matter Experiments I (PPD) | Expériences sur la matière sombre I (PPD) - MDCL 1309 (10:45 - 12:15)

-Conveners: Mark Patrick Hartz

time	[id] title	presenter
10:45	[3064] (I) Detecting Dark Matter	PIRO, Marie-Cécile
11:15	[3027] (G*) CUTE: An Overview and Applications to SuperCDMS	PRADEEP, Aditi
11:30	[3081] (G*) ^{39}Ar decay analysis and annual modulation search with DEAP-3600	KAUR, Gurpreet
11:45	[3167] SuperCDMS IMPACT: Measuring the sub-keV Ionization Yield in Cryogenic Solid-State Detectors	REYNOLDS, Tyler
12:00	[3176] (G*) Projected Sensitivities for Future Upgrade Scenarios of SuperCDMS SNOLAB	FASCIONE, Eleanor

M1-8 Statistical physics and biology (DCMMP) | Physique statistique et biologie (DPMCM) - MDCL 1116 (10:45 - 12:15)

-Conveners: James Polson

time	[id] title	presenter
10:45	[3419] (I) Dynamical mean-field theory: from ecosystems to reaction networks	DE GIULI, Eric
11:15	[3090] (G*) Random Asymmetric Markov Models	MOSAM, Faheem
11:30	[3119] (G*) Entropy, Networks, and Design	CHITNELAWONG, Pheerawich
11:45	[2986] (G*) Dynamics of exciton polaron in microtubule	NGANFO YIFOUE, Willy Aniset
12:00	[3431] Modelling finger-like pattern formation in a bacteria colony growing at an interface using dynamical self-consistent field theory	WICKHAM, Robert

M1-2 Gravity and Cosmology I (DTP) | Gravité et cosmologie I (DPT) - MDCL 1008 (10:45 - 12:15)**-Conveners: Sanjeev Seahra**

time	[id] title	presenter
10:45	[2993] (I) The Hubble tension and the magnetic universe	POGOSIAN, Levon
11:15	[3272] (G*) The galactic white-dwarf population from the CLAUDS deep fields	RIPOCHE, Paul
11:30	[3276] (G*) On the validity of the quasi-static approximation in scalar-tensor theories of Gravity	MIRPOORIAN, Hamid
11:45	[3301] (G*) Cosmology of scalar fields coupled to dark matter and to all matter	WANG, Zhuangfei

M1-5 DPE I - Joint with DGEP (DPE/DGEP) | DEP I - conjointement avec DEGP (DEP/DEGP) - MDCL 1009 (10:45 - 12:15)**-Conveners: Daria Ahrensmeier**

time	[id] title	presenter
10:45	[3480] (I) Diversifying Talent in Quantum Computing	MEYER, Ella
11:15	[3126] Physical Science in Contemporary Society	SEALFON, Carolyn
11:30	[3087] The IDEAS Initiative	TAM, Benjamin
11:45	[3371] (G*) STEM for Everyone - Results From a Pilot Intervention to Address the Gender Gap in High School Physics	CORRIGAN, Eamonn
12:00	[3488] Round Table	

M1-6 Accelerator Developments in Canada (DAPI) | Progrès dans les accélérateurs au Canada (DPAI) - MDCL 1016 (10:45 - 12:15)**-Conveners: Alexander Gottberg**

time	[id] title	presenter
10:45	[3368] New CLS e-linac	BOLAND, Mark James
11:00	[3304] Superconducting RF research in Canada	LAXDAL, Robert Edward
11:15	[3315] A Prototype Compact Accelerator-based Neutron Source for Canada for Medical and Scientific Applications	D. MAHARAJ , Dalini
11:30	[3366] The New Electron Source Lab at CLS	STRAGIER, Xavier
11:45	[3374] TRIUMF e-linac as driver for FLASH, DarkLight and ARIEL	RÄDEL, Stephanie Diana

M1-4 Nuclear Structure and Astrophysics (DNP) | Structure nucléaire et astrophysique (DNP) - MDCL 1110 (10:45 - 12:30)**-Conveners: Liliana Caballero Suarez**

time	[id] title	presenter
10:45	[3477] (I) Parity violation measurements of the neutron skin in ^{208}Pb and ^{48}Ca	KING, Paul THE PREX/CREX COLLABORATION
11:15	[3143] (G*) Investigating the Nuclear Shell Evolution in Neutron-Rich Calcium	COLEMAN, Robin
11:30	[3201] (G*) Model constraints for degenerate neutron capture rates in neutron star crusts	KNIGHT, Bryn
11:45	[3206] (G*) Constraining the Neutron Capture Rate for the Short-Lived ^{91}Sr Nucleus	GREAVES, Beau
12:00	[3138] (G*) β -decay of ^{68}Mn : Probing the N=40 Island of Inversion	UMASHANKAR, Rashmi
12:15	[3308] (G*) High-precision half-life measurements of ^{26}Na with GRIFFIN	FUAKYE, Eric Gyabeng

Science Policy Workshop | Atelier de science politique - MDCL 1305/07 (12:15 - 13:15)**-Conveners: Eric Donovan****Break for Lunch (12h15-13h15) | Pause pour dîner (12h15-13h15) (12:15 - 13:15)****M2-6 Soft condensed matter I (DCMMP) | Matière condensée molle I (DPMCM) - MDCL 1116 (13:15 - 14:45)****-Conveners: Robert Wickham**

time	[id] title	presenter
13:15	[3054] Formation of Complex Spherical Packing Phases in Hard Spheres with SALR Interactions	BURNS, Cameron
13:30	[3199] Flatness and Intrinsic Curvature of Linked-Ring Membranes	POLSON, James
13:45	[3310] (G*) Surface Relaxation of Vapor Deposited Polystyrene Glasses	YIN, Junjie
14:00	[3407] Osmotic Pressure and Swelling of Permeable Ionic Microgels	DENTON, Alan
14:15	[3350] Transition in the glassy dynamics of melts of acid hydrolyzed phytoglycogen nanoparticles	SHAMANA, Hurmiz
14:30	[3215] (G*) Changes to the Stiffness and Compressibility of Soft Phytoglycogen Nanoparticles Through Acid Hydrolysis	EL-RAYYES, Yasmeeen

M2-1 Exploring the Energy and Precision Frontier II (PPD) | Exploration de la frontière d'énergie et de précision II (PPD) -**MDCL 1105 (13:15 - 14:45)****-Conveners: Dominique Anderson Trischuk**

time	[id] title	presenter
13:15	[3016] (I) ATLAS Highlights	KAY, Ellis
13:45	[3180] (G*) Relative luminosity measurement and long-term stability studies with ATLAS-TPX network during LHC Run-2.	USMAN, Muhammad
14:00	[3192] (G*) Most precise measurement of the top-quark pair production cross-section in the single-lepton channel	SINGH, Sahibjeet

14:15	[3213] Search for single production of a vector-like T quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector	FOO, Joel Hengwei
14:30	[3333] (G*) Measurements of the production cross section for the collinear emission of a Z boson from a jet in pp collisions at 13 TeV with the ATLAS detector	LAURIER, Alexandre

M2-4 Precision Techniques in Nuclear and Particle Physics (DNP) | Techniques de précision en physique des particules et des noyaux (DPN) - MDCL 1110 (13:15 - 14:45)

-Conveners: Elie Korkmaz

time	[id] title	presenter
13:15	[3353] (G*) Higher-Order Leptonic Corrections in Covariant Approach	GHAFFAR, Mahumm
13:30	[3202] (G*) Applications of ab initio nuclear theory to tests of fundamental symmetries	GENNARI, Michael
13:45	[3375] (G) Novel Conditional Generative Approach and Applications in Nuclear and Particle Physics	GIROUX, James
14:00	[3151] (G*) Developing the Integrating Detector Electronics Chain for the MOLLER Experiment	BLAIKIE, Brynne
14:15	[3170] (G*) First principles calculations of $7\text{Li}+p$ radiative capture	GYSBERS, Peter
14:30	[2998] Mirror Symmetry in the $f7/2$ Shell Below 56Ni , Excited States and Electromagnetic Transition Rates in 55Ni and 55Co	STAROSTA, Krzysztof

M2-9 DPE II (DPE) | DEP II (DEP) - MDCL 1009 (13:15 - 14:45)

-Conveners: Daria Ahrensmeier

time	[id] title	presenter
13:15	[3485] (I) Data Science and Modern Astronomy, a match made in the heavens	HYDE, Elaina
13:45	[3284] Self-Evaluation Tools in Canadian STEM Outreach Programs	BARKANOVA, Svetlana
14:00	[3036] Integrating Group Discussion and Inquiry-Guided Learning into Physics TA Training	DRINGOLI, Benjamin
14:15	[3392] (U*) Student Preparedness and Motivations in Introductory Physics Courses	FERNANDO, Nitara
14:30	[3487] Round Table	

M2-7 Low Dimensional Materials and Heterostructures (DCMMP) | Matériaux à basse dimension et hétérostructures (DPMCM) - MDCL 1010 (13:15 - 14:45)

-Conveners: Adina Luican-Mayer

time	[id] title	presenter
13:15	[3053] (G*) Gated quantum structures in 2D semiconductors	BODDISON-CHOUINARD, Justin
13:30	[3061] (G*) Method for exfoliating large area monolayer transition metal dichalcogenides	LABBÉ, Antoine
13:45	[3147] (G*) Stacking order domains in twisted transition metal dichalcogenides	MOLINO, Laurent
14:00	[3015] (G) Fine Structure of Excitons in TMD Type-II Heterostructures	SADECKA, Katarzyna

14:15	[3396] (G*) The charge characterization of atomic wires on hydrogen passivated silicon	YUAN, Max
14:30	[3097] Scanning Tunneling Microscopy and Spectroscopy of a Graphene-rhenium Disulfide Heterostructure at Low Temperature	PLUMADORE, Ryan

M2-5 Degenerate Quantum Gases and Cold Atoms and Molecules (DAMOPC/DCMMP) | Gaz quantiques dégénérés, molécules et atomes froids (DPAMPC/DPMCM) - MDCL 1309 (13:15 - 14:45)

ALPHA - anti-hydrogen spectroscopy, Tim Friesen, Assistant Professor of Univ. of Calgary

-Conveners: Jens Lassen

time	[id] title	presenter
13:15	[3497] (I) anti-hydrogen spectroscopy ALPHA @ CERN	FRIESEN, Tim
13:45	[3363] Caustics in quantum many-body dynamics	O'DELL, Duncan
14:00	[3361] Caustics, Chaos, and Branched flow in a Kicked Bose-Einstein Condensate	HAINGE, Joshua
14:15	[3046] (G*) Indistinguishable Photon Generation on Hybrid Photonic Integrated Circuits	YEUNG, Edith

M2-2 Mathematical and Theoretical Physics (DTP) | Physique mathématique et physique théorique (DPT) - MDCL 1115 (13:15 - 14:30)

-Conveners: Olivia Di Matteo

time	[id] title	presenter
13:15	[3349] Applying the Conjugate Gradient Method in an Infinite Dimensional Hilbert Space	PETRY, Robert
13:30	[3045] (I) Quantum Resource Theories and Beyond	SCANDOLO, Carlo Maria
14:00	[3033] (I) Markovian master equation for correlated initial states	MERKLI, Marco

M2-10 Black Holes (DTP) | Trous noirs (DPT) - MDCL 1008 (13:15 - 14:45)

-Conveners: Daniel Siegel

time	[id] title	presenter
13:15	[3108] (I) Black hole mergers and internal geometry	BOOTH, Ivan
13:45	[3091] (G*) Marginally Outer-trapped Surfaces Act Up with Inner Horizons in Black Holes	CHAN, Kam To Billy
14:00	[3152] (G*) Evolution of exotic marginally outer trapped surfaces in an accreting black hole	TAVAYEF, Matin
14:15	[3145] (G*) Negative Mass de Sitter Black Holes	HULL, Brayden
14:30	[3158] (G*) Probing BTZ Black Hole via Fisher Information	PATTERSON, Everett

M2-3 Functional Biophysics (DPMB) | Biophysique fonctionnelle (DPMB) - MDCL 1102 (13:15 - 14:45)

-Conveners: Ozzy Mermut

time	[id] title	presenter
13:15	[3472] (I) Single-molecule perspectives of GPCRs	GRADINARU, Claudiu

13:45	[2992] The Effects of Dietary Ingestion of Nickel Recovery Slag as a Grit Source on Avian Bone	GALIANO, Eduardo
14:00	[3372] (U*) Whispers from the active inner ear	KHADOUR , Zena
14:15	[3354] (G*) Title: To Emit or Not to Emit: Collective Dynamics of the Inner Ear	FEDORYK, Olha
14:30	[3265] FUNCTIONAL AND FUNCTIONALIZED RED BLOOD CELL MEMBRANES	HIMBERT, Sebastian

M2-8 Quantum and Strongly Interacting Electron Systems (DCMMP) | Systèmes quantiques d'électrons interagissant fortement (DPMCM) - MDCL 1016 (13:45 - 15:15)

-Conveners: Bill Atkinson

time	[id] title	presenter
14:15	[3065] Effect of Metallicity on Ferroelectric Thin Films	ATKINSON, Bill
14:30	[3232] (G) Intermediate Valence state in YbB_4 revealed by RXES	FRONTINI, Felix
14:45	[3222] (G) Broken Sublattice Symmetry Effects and Phase Transitions in Triangular Artificial Graphene Quantum Dots	SALEEM, Yasser
15:00	[3204] (G*) Pushing the length and time scales of AIMD	ABARBANEL, Daniel

Break for Teachers' Workshop | Pause pour l'atelier des enseignants - Wilson Hallway (14:30 - 15:00)

Health Break | Pause santé - MDCL Hallway (14:45 - 15:15)

M-PLEN3 Plenary Session | Session plénière - Krishna Rajagopal - MDCL 1305/07 (15:15 - 16:00)

-Conveners: Daria Ahrensmeier

time	[id] title	presenter
15:15	[3024] From MOOCs to Magic: Using Digital Tools to Enhance the On-Campus Learning Experience	RAJAGOPAL, Krishna

M3-1 Advances in Nuclear and Particle Theory (DTP/DNP/PPD) | Progrès en théorie des particules et des noyaux (DPT/DPN/PPD) - MDCL 1105 (16:00 - 17:30)

-Conveners: Marco Merkli; Michael Gericke; Matthias Danninger

time	[id] title	presenter
16:00	[3334] (G*) The S-wave pairing gap in neutron matter	PALKANOGLU, Georgios
16:15	[3340] (G*) FeynArtsHelper- a Mathematica package for phenomenological calculations	REEFAT
16:30	[3154] (I) Neutrinos from the past, present and future: passage through compact objects	CABALLERO, Liliana
17:00	[3189] Plane-wave and wave-packet neutrino oscillations in GR, f(R) and in conformal coupling models	HAMMAD, Fayçal
17:15	[3291] Meson spectroscopy using holographic QCD plus 't Hooft equation	AHMADY, Mohammad

M3-9 Atomic and Molecular Physics - Laser Spectroscopy (DAMOPEC) | Physique atomique et moléculaire - spectroscopie laser (DPAMPC) - MDCL 1008 (16:00 - 17:30)

-Conveners: Jens Lassen

time	[id] title	presenter
16:00	[3233] Parametric Amplification of Few-cycle Laser Pulses	HAMMOND, TJ
16:15	[3320] Rapid Ultrashort Pulse Characterization using Neural Networks	PARASRAM, Tristhal
16:30	[3270] (G*) Focal Cone High Harmonic Generation in a Gas Sheet	GJEVRE, John Matthew

M3-5 DPE III (DPE) | DEP III (DEP) - MDCL 1009 (16:00 - 17:30)**-Conveners: Daria Ahrensmeier**

time	[id] title	presenter
16:00	[3047] (I) Physics Education Commission of the International Union of Pure and Applied Physics	ANTIMIROVA, Tetyana
16:30	[3513] Growing Your Undergraduate Physics Program – Insights from the Effective Practices for Physics Programs Initiative	CRAIG, David
16:45	[3514] (G*) Creating Positive Learning Experiences with Constructive and Active Learning Approaches in Quantum Mechanics for Adolescents	KHODAEIFAAL, Solmaz
17:00	[3489] Panel Discussion	

M3-2 Unconventional superconductivity and topology (DCMMP) | Supraconductivité non conventionnelle et topologie (DPMCM) - MDCL 1010 (16:00 - 17:30)**-Conveners: Robert Wickham**

time	[id] title	presenter
16:00	[3423] (I) Topological physics with light and matter: new horizons	ST-JEAN, Philippe
16:30	[3019] Surface Bogoliubov-Dirac cones and helical Majorana hinge modes in superconducting Dirac semimetals	KHEIRKHAH, Majid
16:45	[3173] (G*) Transport of Majorana Zero Modes in 1D Topological Superconductors	TRUONG, Bill
17:00	[3230] Charge Density Wave Order and Fluctuations above T _{CDW} and below Superconducting T _c in the Kagome Metal CsV ₃ Sb ₅	CHEN, Qiang
17:15	[3321] Muon Spin Rotation Study of Superconducting CsV ₃ Sb ₅	GAUTREAU, Jonah

M3-3 Molecular and Soft Matter Biophysics (DPMB/DCMMP) | Biophysique moléculaire et de la matière molle (DPMB/DPMCM) - MDCL 1102 (16:00 - 17:00)**-Conveners: Cornelia Hoehr**

time	[id] title	presenter
16:00	[3430] (I) Learning from Life: Understanding and Design of Complex Biophysical Systems through Multiscale Modeling and Machine Learning	MANSBACH, Re
16:30	[3135] The electrostatic gating of carbon nanotube field-effect biosensors characterized at the molecular scale using simulations	COTE, Sebastien
16:45	[3297] Bringing a Compact Accelerator-based Neutron Source (CANS) to Canada	MARQUARDT, Drew

M3-8 Dark Matter Experiment II (PPD) | Experiences de matière sombre II (PPD) - MDCL 1309 (16:00 - 17:30)**-Conveners: Marie-Cécile Piro**

time	[id] title	presenter
16:00	[3068] (G*) The NEWS-G light Dark Matter search experiment: Current status and preparation for experiment at SNOLAB	DURNFORD, Daniel
16:15	[3394] (G*) First direct detection constraints on Planck-scale mass dark matter using DEAP-3600 detector	GARG, Shivam
16:30	[3288] (G*) Measuring alpha quenching factors in liquid argon using Argon-1	PERRY, Michael
16:45	[3185] (G*) Toward understanding the nuclear efficiency threshold of bubble chamber detectors	LI, Xiang
17:00	[3168] (G*) detector response simulation for NEWS-G experiment	NOT SUPPLIED, Yuqi
17:15	[3136] (G*) Laser Absorption Spectroscopy for Methane Sensing in SPCs for the NEWS-G Experiment	GARRAH, Carter

M3-4 Strong Gravity and Black Holes (DTP) | Gravité forte et trous noirs (DPT) - MDCL 1116 (16:00 - 17:30)

-Conveners: Ivan Booth

time	[id] title	presenter
16:00	[3406] (I) Strong Gravity and the Synthesis of Heavy Elements in the Universe	SIEGEL, Daniel
16:30	[3212] (G*) Marginally Outer Trapped (Open) Surfaces in Rotating 5D Black Holes	MUTH, Sarah
16:45	[3227] (G*) Evaporating Black Holes in 2D Models of Gravity	BARENBOIM, Jonathan
17:00	[3298] (U*) Extracting mutual information from a BTZ black hole spacetime	BUELEY, Kendra

M3-6 Accelerator Applications (DAPI) | Applications des accélérateurs (DPAI) - MDCL 1016 (16:00 - 17:30)

-Conveners: Robert Edward Laxdal

time	[id] title	presenter
16:00	[3532] ACCELERATORS AND NUCLEAR FACILITIES AT McMASTER UNIVERSITY	HARPER, Ross
16:30	[3231] (G*) Design Considerations for a Proton Linac for a Compact Accelerator Based Neutron Source	ABBASLOU, Mina
16:45	[3307] (G*) Accelerator Mass Spectrometry measurements of chlorine-36 using the Isobar Separator for Anions	FLANNIGAN, Erin L.

M3-7 Fundamental Symmetries and New Physics at Low Energy I (DNP) | Symétries fondamentales et nouvelle physique à basse énergie (DPN) - MDCL 1110 (16:00 - 17:30)

-Conveners: Gerald Gwinner

time	[id] title	presenter
16:00	[3451] (I) The Nab experiment: A precise measurement of the neutron beta decay parameters "little a" and "little b" at Oak Ridge National Lab.	MAMMEI, Russell
16:30	[3294] The TUCAN magnetics lab at TRIUMF – research and development towards a neutron electric dipole moment search	FRANKE, Beatrice
16:45	[3198] (G*) Mapping the Magnetically Shielded Room for the Neutron Electric Dipole Moment Experiment at TRIUMF	LAVVAF, Maedeh

17:00	[3203] Magnetic resonance requirements and shim coil design for the TUCAN EDM experiment	MARTIN, Jeffery
17:15	[3382] (G*) The Search for a Permanent Electric Dipole Moment	SIMPSON, Rane Alexander

High School Day Extra Workshop | Atelier supplémentaire de la journée du secondaire - LRW Building (16:15 - 17:15)

-Conveners: Reza Nejat; Chris Meyer; Miranda Schmidt

High School Day Social | Activité sociale de la journée du secondaire - MUSC Marketplace (17:00 - 19:30)

-Conveners: Reza Nejat; Miranda Schmidt; Chris Meyer

Welcome Reception with BBQ | Réception d'accueil avec BBQ - MUSC Marketplace (17:30 - 19:15)

M-HERZ Herzberg Memorial Public Lecture | Conférence publique commémorative Herzberg - D. Strickland, U. Waterloo -

MDCL 1305/07 (19:30 - 21:00)

-Conveners: Manu Paranjape

time	[id] title	presenter
19:30	[3251] Generating High-Intensity, Ultra-short Optical Pulses	STRICKLAND, Donna
20:30	Questions	

Lecture Hall Available for Mingling / Salle de conférence disponible pour échanges - MDCL 1305/07 (21:00 - 22:00)

Sidewalk Astronomy | Astronomie de trottoir - Meet in MDCL Lobby (21:00 - 22:00)

Tuesday, 7 June 2022

Congress Registration and Information (07h30-17h00) | Inscription au congrès et information (07h30-17h00) - MDCL Lobby (07:30 - 07:55)

Exhibit Booths Open 08:30-16:00 | Salle d'exposition ouverte de 08h30 à 16h00 - MDCL Hallways (08:05 - 08:30)

T1-8 Precision Techniques in Spectroscopy (DAMOPC) | Techniques de précision en spectroscopie (DPAMPC) - MDCL 1016 (08:30 - 10:15)

-Conveners: Jens Lassen

time	[id] title	presenter
08:30	Detailed program to come	

T1-5 Private Sector Physicists - STARTS AT 10:45 (CAP-DAPI) | Physicien(ne)s dans le secteur privé - DÉBUT À 10h45 (ACP-DPAI) - MDCL 1009 (08:30 - 10:15)

This symposium is organized by the CAP's Director of Professional Affairs, Daniel Cluff, and Director of Private Sector Physics, Ian D'Souza, in collaboration with the Division of Applied Physics and Instrumentation (DAPI).

-Conveners: Daniel Cluff

T1-4 Hot Topics From Theory Made Accessible (DTP) | Sujets chauds de la théorie rendus accessibles (DPT) - MDCL 1102 (08:30 - 10:15)

-Conveners: Randy Lewis

time	[id] title	presenter
08:30	[3250] Werner Israel Memorial Session on Gravitation	POISSON, Eric LEHNER, Luis
09:30	[3263] (I) Active Learning in a Quantum Field Theory Course	LEPAGE, Peter

T1-3 New Directions in Accelerator-Based Experiments: Future Collider Experiments - Energy Frontier (PPD) | Nouvelles voies fondées sur des accélérateurs: expériences futures avec collisionneurs - frontière d'énergie (PPD) - MDCL 1105 (08:30 - 10:15)

-Conveners: Matthias Danninger

time	[id] title	presenter
08:30	[3446] (I) Future Collider Pheno talk (invited talk by David McKeen)	MCKEEN, David
08:55	[3309] (I) Physics in the High-Luminosity Era with the ATLAS Detector	SWIATLOWSKI, Maximilian J
09:20	[3153] (I) The ATLAS Detector Phase-II Upgrades for the HL-LHC	KOFFAS, Thomas
09:45	[3096] (I) Instrumentation and Accelerator Technologies for ILC and Other Future Colliders	BELLERIVE, Alain

T1-2 Plasma Physics Symposium I (DPP) | Symposium de physique des plasmas I (DPP) - MDCL 1010 (08:30 - 10:15)

-Conveners: Ahmad Hamdan

time	[id] title	presenter
08:30	[3039] (I) Plasma-catalysis: From catalyst synthesis to control of plasma chemistry	COULOMBE, Sylvain
09:00	[3029] (I) Investigation of the Pre-ionization Mechanisms in Atmospheric Pressure Townsend Discharges Obtained in Various Gases	DAP, Simon
09:30	[3387] Hydrophobic Recovery of Plasma Modified Electro-spun versus Smooth Polymer Surfaces	PATTYN, Cédric
09:45	[3405] (G*) Time-resolved optical emission spectroscopy of a nanosecond, pulsed microwave plasma ignited by time reversal	DRIOLLET, Amaia
10:00	[3385] (G*) Microscale electric field detection improvements: Steps toward tailoring cold atmospheric pressure plasma	HOGUE, Justin

T1-6 Physics at the EIC Symposium: Electron-Ion Collider, An Overview (DNP) | Symposium sur la physique à l'EIC: collisionneur électrons-ions, un survol (DPN) - MDCL 1008 (08:30 - 10:15)

-Conveners: Garth Huber

time	[id] title	presenter
08:30	[3491] (I) Electron-Ion Collider: Project Overview	FATEMI, Renee
09:00	[3492] (I) The Complementary International EIC Experimental Program	ASCHENAUER, Elke-Caroline
09:30	[3493] (I) Canadian Participation in the Electron-Ion Collider	DECONINCK, Wouter

T1-7 Fluctuations and Disorder in Condensed Matter (DCMMP) | Fluctuations et désordre en matière condensée (DPMCM) - MDCL 1309 (08:30 - 10:15)

-Conveners: Robert Wickham

time	[id] title	presenter
08:30	[3408] (I) Physical mechanisms of regulating mitochondrial protein transport	BROWN, Aidan
09:00	[3409] (I) Bacterial condensates under stress	WEBER, Stephanie
09:30	[3433] (I) Prion propagation and loss dynamics in single cells	POTVIN-TROTTIER, Laurent

T1-1 Advances in Physics in Biology and Medicine Symp.: Protein system dynamics (DPMB) | Symposium sur les progrès en physique dans la biologie et la médecine: dynamique des systèmes de protéines (DPMB) - MDCL 1110 (08:30 - 10:15)

-Conveners: Valerie Booth

time	[id] title	presenter
08:30	[3438] (I) Limiting noise in biochemical reaction networks	HILFINGER, Andreas
09:00	[3365] (G*) Force Without Form: Delineating a Disordered Protein Complex with Single-Molecule Fluorescence Spectroscopy	SMYTH, Spencer
09:15	[3004] Near-Infrared Photobiomodulation of Living Cells, Tubulin, and Microtubules in Vitro	STAELENS, Michael
09:30	[3050] (G*) Stochastic Simulations of Protein Clustering on Tubular Networks	KISCHUCK, Liam
09:45	[3369] (U*) Finding Order in Disorder: Modelling the Disordered Protein 4E-BP2	TSANGARIS, Thomas
10:00	[3166] (G*) Inferring gene regulation from static snapshots of gene expression variability	JOLY-SMITH, Euan

Health Break with Exhibitors | Pause santé avec exposants - MDCL Hallways (10:15 - 10:45)**T2-3 New Directions in Accelerator-Based Experiments: Future Collider Experiments - Energy and Precision Frontier (PPD)****| Nouvelles voies fondées sur des accélérateurs: expériences futures avec collisionneurs - frontière d'énergie et de précision****(PPD) - MDCL 1105 (10:45 - 12:15)**

-Conveners: Marie-Cécile Piro

time	[id] title	presenter
10:45	[3216] (G*) Projection studies of non-resonant Higgs boson pair production in the $bb\bar{b}b\bar{b}$ final state at the HL-LHC using the ATLAS detector	SAM, Colm
11:00	[3008] (I) The MoEDAL-MAPP Experiment – The Upgrade of the LHC's 1st Dedicated Search Experiment for LHC's Run-3 and Beyond	PINFOLD, James
11:25	[2997] (I) Prospects for Long Lived Particle searches with MATHUSLA	ROBERTSON, Steven
11:50	[3360] (I) Chiral Belle: Upgrading SuperKEKB with a Polarized Electron Beam	RONEY, Michael

T2 -1 Advances in Physics in Biology and Medicine Symp.: Protein design and diffusion (DPMB) | Symposium sur les progrès en physique dans la biologie et la médecine: conception de protéines et diffusion (DPMB) - MDCL 1110 (10:45 - 12:15)

-Conveners: Ozzy Mermut

time	[id] title	presenter
10:45	[3442] (I) Fast and precise: How transcription factors find their targets	FRADIN, Cecile
11:15	[3395] Probing the Stochastic Properties of DNA Driven by Topology-relaxing Enzyme Activity	KILFOIL, Maria
11:30	[3186] The lawnmower: an artificial protein-based burnt-bridge molecular motor	KOROSEC, Chapin
11:45	[3020] (G*) Protein folding and fold switching of the C-terminal domain of transcription factor RfaH.	SEIFI, Bahman
12:00	[3390] (G*) Tracking Diffusion and Oligomerization of M2 Receptors in Live Cells	ZHOU, Xiaohan

T2-5 Private Sector Physicists (CAP-DAPI) | Physicien(ne)s dans le secteur privé (ACP-DPAI) - MDCL 1009 (10:45 - 12:15)

-Conveners: Daniel Cluff

time	[id] title	presenter
10:45	[3539] (I) Career Opportunities in Physics - What to do Next? / Opportunités de carrière en physique - Quel chemin prendre ?	DION-BERTRAND, Laura-Isabelle
11:15	[3484] (I) Optical Communication for Space Based Applications	HUDSON, Danya
11:45	[3538] (I) From Physics to Finance and Risk Management in Times of a Pandemic	STOCK, Rene

T2-6 Physics at the EIC Symposium: Accelerator Developments at the EIC (DNP) | Symposium sur la physique à l'EIC: avancées d'accélérateurs à l'EIC (DPN) - MDCL 1008 (10:45 - 12:15)

-Conveners: David Hornidge

time	[id] title	presenter
10:45	[3237] (I) Electron-Ion Collider Accelerator Development	SERYI, Andrei
11:15	[3184] (I) EIC Accelerator Technology Challenges	KESTER, Oliver

T2-7 Fluctuations and Disorder in Condensed Matter (DCMMP) | Fluctuations et désordre en matière condensée (DPMCM) -**MDCL 1309 (10:45 - 12:15)****-Conveners: An-Chang Shi**

time	[id] title	presenter
10:45	[3410] (I) Recent Advances on the Glass Problem	CHARBONNEAU, Patrick
11:15	[3411] (I) Linking placement of associating groups along polymer chains to phase behavior of polymer blends using PRISM theory and molecular simulations	JAYARAMAN, Arthi
11:45	[3412] (I) Building blocks of soft matter crystals: Complex symmetries via frustrated packing of 'mesoatomic' elements in block copolymer melts	GRASON, Gregory

T2-8 Precision Techniques in Spectroscopy (DAMOPC) | Techniques de précision en spectroscopie (DPAMPC) - MDCL 1016**(10:45 - 12:15)****-Conveners: Jens Lassen**

time	[id] title	presenter
10:45	[3525] (I) Probing a Structural Phase Transition of Trapped Ions in the Quantum Regime	HALJAN, Paul C
11:00	Detailed program to come	

T2-2 Plasma Physics Symposium II (DPP) | Symposium de physique des plasmas II (DPP) - MDCL 1010 (10:45 - 12:15)**-Conveners: Stephan Reuter**

time	[id] title	presenter
10:45	[3146] (I) Influence of discharge parameters on the mode-coupling instability in two-dimensional complex plasma crystals	COUEDEL, Lenaic
11:15	[2994] (I) The century old Langmuir probe inference problem: Beyond analytic approximations with machine learning techniques.	MARCHAND, Richard
11:45	[3084] (I) Extreme plasma heating and flows in Earth's ionosphere	KNUDSEN, David

T2-4 Hot Topics From Theory Made Accessible (DTP) | Sujets chauds de la théorie rendus accessibles (DPT) - MDCL 1102**(10:45 - 12:15)****-Conveners: Mariana Frank**

time	[id] title	presenter
10:45	[3139] (I) Teaching quantum computers to simulate gauge theories for particle physics	MUSCHIK, Christine
11:15	[2995] (I) Faster-Than-Light Travel and Time Travel: Science or Science Fiction?	SHOSHANY, Barak
11:45	[3397] (I) Novel Directions in the Search for New Physics	ARVANITAKI, Asimina

CJP Editorial Board Meeting | Réunion du comité de rédaction de la RCP - MDCL 2230 (12:00 - 13:30)**-Conveners: Robert Mann****Break for Lunch (12h15-13h15) | Pause pour dîner (12h15-13h15) - MDCL Hallways (12:15 - 13:15)**

T3-1 Advances in Physics in Biology and Medicine Symp.: Physics in Medicine (DPMB) | Symposium sur les progrès en physique dans la biologie et la médecine: la physique en médecine (DPMB) - MDCL 1110 (13:15 - 14:45)

-Conveners: Cornelia Hoehr

time	[id] title	presenter
13:15	[3441] (I) Novel cancer treatment in a FLASH – development towards reducing side effects of cancer therapy using X-rays, electrons and protons at TRIUMF	GOTTBERG, Alexander
13:45	[3271] (G*) Analysis of cytotoxicity trends in breast cancer cells using total reflection X-ray fluorescence (TXRF)	HEDDEN, Natasha
14:00	[3169] (U*) An augmented-reality setup to improve accuracy in surgical chronic kidney mice model	RAM, Udbhav
14:15	[2990] Monte Carlo Simulation of FFF Photon Beam in Radiotherapy	CHOW, James
14:30	[2989] Creating a Chatbot for Radiation Safety Training in Radiotherapy	CHOW, James

T3-3 New Directions in Accelerator-Based Experiments: Future Experiments at TRIUMF and Brookhaven (PPD) | Nouvelles voies fondées sur des accélérateurs: expériences futures à TRIUMF et Brookhaven (PPD) - MDCL 1105 (13:15 - 14:45)

-Conveners: Oliver Stelzer-Chilton

time	[id] title	presenter
13:15	[3289] (I) Measurement of Beam Polarization at an e^+e^- B-Factory with New Tau Polarimetry Technique	MILLER, Caleb
13:30	[2988] (I) Hunting for new particles at TRIUMF with the DarkLight experiment	PACHAL, Katherine
13:55	[3080] (I) The cyclotron based high-yield ultracold neutron source and neutron electric dipole moment experiment	PICKER, Rüdiger
14:20	[3455] (I) The Electron-Ion Collider: A New Microscope for Nuclear Matter	DECONINCK, Wouter

T3-2 Plasma Physics Symposium III (DPP) | Symposium de physique des plasmas III (DPP) - MDCL 1010 (13:15 - 14:45)

-Conveners: Stephan Reuter; Ahmad Hamdan

time	[id] title	presenter
13:15	[3449] (I) Advances in Laser Induced Breakdown Spectroscopy Assisted with Laser Induced Fluorescence	SABSABI, Mohamad
13:45	[3402] (G*) Production of emulsion by discharges at the interface of two immiscible liquids	DORVAL, Audren
14:00	[3122] (G*) Combined High-Voltage Pulse and Radiofrequency Excitation for Large-Volume High-Pressure Non-Thermal Plasma Generation	FILICE, Dante
14:15	[3041] (G*) Streamer Propagation at Water Surface: Influence of Gap Distance and Quantification of Injected Charge.	HERRMANN, Antoine
14:30	[3389] (G*) Plasma activated water treatment in hydroponic culture: from seedling to mature growth	WATSON, Sean

T3-8 Precision Techniques in Spectroscopy (DAMOPC) | Techniques de précision en spectroscopie (DPAMPC) - MDCL 1016 (13:15 - 14:45)

-Conveners: Jens Lassen

time	[id] title	presenter
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13:15	Detailed program to come	
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T3-7 Fluctuations and Disorder in Condensed Matter (DCMMP) | Fluctuations et désordre en matière condensée (DPMCM) -

MDCL 1309 (13:15 - 14:45)

-Conveners: Sung-Sik Lee

time	[id] title	presenter
13:15	[3413] (I) Understanding the role of entropy in disordered crystalline materials	HALLAS, Alannah
13:45	[3414] (I) Disordered Phases in quasi-1D models of Kitaev Materials	SORENSEN, Erik
14:15	[3415] (I) Nuclear Magnetic Resonance as a Local Probe of the Disordered Ground State of Proximate Quantum Spin Liquid Materials	IMAI, Takashi

T3-6 Physics at the EIC Symposium: Theoretical Physics at the EIC (DNP) | Symposium sur la physique à l'EIC: physique théorique à l'EIC (DPN) - MDCL 1008 (13:15 - 14:45)

-Conveners: Stephen Kay

time	[id] title	presenter
13:15	[3459] (I) Theoretical Opportunities at the EIC	RADICI, Marco
13:45	[3323] (I) Canadian Theory Community and the Electron-Ion Collider	BARKANOVA, Svetlana
14:15	[3319] Predicting pion and kaon EM form factors with spin-improved holographic light-front wavefunctions.	AHMADY, Mohammad

T3-5 Private Sector Physicists (CAP-DAPI) | Physicien(ne)s dans le secteur privé (ACP-DPAI) - MDCL 1009 (13:15 - 14:45)

-Conveners: Daniel Cluff

time	[id] title	presenter
13:15	[3504] Energy Management and Mine Cooling via Cryogenics	CLUFF, Daniel SENGUPTA, Sujit
13:45	[3505] Panel Session	D'SOUZA, Ian

T3-4 Hot Topics From Theory Made Accessible (DTP) | Sujets chauds de la théorie rendus accessibles (DPT) - MDCL 1102 (13:15 - 14:45)

-Conveners: Robert Petry

time	[id] title	presenter
13:15	[3386] (I) Entering a new, data-driven era for precision cosmology: opportunities and challenges for machine learning.	PERREAULT LEVASSEUR, Laurence
13:45	[3069] (I) Formation and dynamics of extreme mass ratio inspirals with environmental effects	YANG, Huan
14:15	[3040] (I) Planets Big and Small	LEE, Eve

Health Break (with exhibitors) | Pause santé (avec exposants) - MDCL Hallways (14:45 - 15:15)

T4-4 Hot Topics From Theory Made Accessible (DTP) | Sujets chauds de la théorie rendus accessibles (DPT) - MDCL 1102 (15:15 - 17:15)

-Conveners: Carlo Maria Scandolo

time	[id] title	presenter
15:15	[3099] (I) Hyperbolic Band Theory	MACIEJKO, Joseph
15:15	Break for DNP John D'Auria Memorial Talk	
15:45	[3006] (I) Electron Hydrodynamics	SCAFFIDI, Thomas
16:15	[3113] (I) The physics of aging: embracing complexity	RUTENBERG, Andrew

T4-3 New Directions in Accelerator-Based Experiments: Future Experiments - From Collider to neutrinos (PPD) | Nouvelles voies fondées sur des accélérateurs: expériences futures - de collisionneur à neutrinos (PPD) - MDCL 1105 (15:15 - 17:15)

-Conveners: Claire David

time	[id] title	presenter
15:15	[3439] (I) The MOLLER experiment	ARMSTRONG, David
15:40	[3220] (I) Proton Driven Plasma Wakefield Acceleration Experiment at CERN	VERZILOV, Victor
16:05	[3454] (I) DUNE and PIP-II	MERMINGA, Lia
16:30	[3217] (I) Neutrino Physics and Beyond at T2K and Hyper-Kamiokande	HARTZ, Mark Patrick
16:55	[3267] (I) Photogrammetry Calibration of the Super-Kamiokande and Hyper-Kamiokande Detectors	GAUR, Rhea

T4-1 Advances in Physics in Biology and Medicine Symp.: Novel diagnosis and therapy (DPMB) | Symposium sur les progrès en physique dans la biologie et la médecine: nouveaux diagnostics et thérapies (DPMB) - MDCL 1110 (15:15 - 17:15)

-Conveners: Valerie Booth

time	[id] title	presenter
15:15	[3436] (I) Stemless Plastic Scintillation Detectors - A Novel Radiation Dosimeter with a Bright Future	HUPMAN, Allan
15:45	[3311] (U*) Retinal Image quality decreases in those with diabetes with increasing duration of disease and inversely with the level of disease control	DHALLA, Rahim
16:00	[3105] (G*) Dosimetric characterization of modified radiochromic materials: Comparison of photon to proton beam irradiation	KAIYUM, Rohith
16:15	[3115] Optical Coherence Tomography as a Screening Tool for Oral Cancers	SCHRUDER, Christopher
16:30	[3280] Iron Microparticle Cluster Quantification In Vitro Using Pure Phase Encoding Magnetic Resonance Imaging	BAZZI, Layale

T4-2 Plasma Physics Symposium VI : Networking (DPP) | Symposium de physique des plasmas VI: Réseautage (DPP) - MDCL 1010 (15:15 - 17:15)

-Conveners: Stephan Reuter; Ahmad Hamdan

T4-8 Precision Techniques in Spectroscopy (DAMOPC) | Techniques de précision en spectroscopie (DPAMPC) - MDCL 1016 (15:15 - 17:15)

-Conveners: Jens Lassen

time	[id] title	presenter
15:15	Detailed program to come	

T4-5 Private Sector Physicists (CAP-DAPI) | Physicien(ne)s dans le secteur privé (ACP-DPAI) - MDCL 1009 (15:15 - 17:15)**-Conveners: Daniel Cluff**

time	[id] title	presenter
15:15	[3537] (I) Transitioning Quantum Technologies to a Business	JENNEWEIN, Thomas
15:45	[3507] Professional Development / P Phys	CLUFF, Daniel

T4-7 Fluctuations and Disorder in Condensed Matter (DCMMP) | Fluctuations et désordre en matière condensée (DPMCM) - MDCL 1309 (15:15 - 17:15)**-Conveners: Erik Sorensen**

time	[id] title	presenter
15:15	[3416] (I) The quest for quantum spin liquids in frustrated rare-earth pyrochlores	GAUTHIER, Nicolas
15:45	[3417] (I) Disorder and spin fluctuations: the case of electron-doped cuprates	GAUVIN-NDIAYE, Chloé
16:15	[3418] (I) Emergence of discrete relative ordering in coupled XY models	DROUIN-TOUCHETTE, Victor

T4-6 Physics at the EIC Symposium: Experimental Opportunities at the EIC (DNP) | Symposium sur la physique à l'EIC: opportunités expérimentales à l'EIC (DPN) - MDCL 1008 (15:15 - 17:15)**-Conveners: Zisis Papandreou**

time	[id] title	presenter
15:15	[3464] (I) AI-assisted design of the EIC Detector	FANELLI, Cristiano
15:45	[3129] (I) Pion and Kaon Form Factor Measurements at the EIC	KAY, Stephen
16:15	[3474] (G*) AI-Assisted Design of the ECCE Tracking System at the Electron Ion Collider	SURESH, Karthik

NOTE re Poster session programming: The 2 min time allotted to each poster is SIMPLY used to have each poster display more conveniently in the schedule. There is NO specific presentation time for posters. All presenters should be at their posters for the duration of the poster session. (17:15 - 17:30)

DPP Poster Session & Student Poster Competition (5) | Session d'affiches DPP et concours d'affiches étudiantes (5) - MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:30	[3229] (POS-22) 2D fluid modelling of a magnetron discharge	MUN, Jong Hern
17:32	[3523] (POS-66) Experimental investigation of 1 inch End-Hall Ion Source for surface processing applications	OU DINI, Nouredine
17:34	[3512] (POS-67) Disinfection of Bacteria Contaminated Water Using Plasma Jet of Argon and Oxygen	BOUSBA, Housseem Eddine
17:36	[3357] (G*) (POS-68) Pulsed spark discharges in deionized water: influence of the magnetic field	GÉRAUD, Korentin

DAPI Poster Session & Student Poster Competition (4) | Session d'affiches DPIA et concours d'affiches étudiantes (4) - MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:30	[3178] (POS-17) PET Image Denoising and Enhancement Based on Partial Differential Equation	WANG, Xue
17:32	[3444] (G*) (POS-18) Dynamic Mechanical Analysis with Portable NMR	SELBY, Will
17:34	[3494] (POS-19) Evaluating high-velocity particle motion with dynamic magnetic resonance scattering	OSMOND, Duncan
17:36	[3511] (G*) (POS-65) A Monte Carlo simulation of the feasibility of detecting bone tungsten using X-ray fluorescence	MCHEIK, Sajed

DCMMP Poster Session & Student Poster Competition (8) | Session d'affiches DPMCM et concours d'affiches étudiantes (8) -

MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:30	[3445] (G*) (POS-10) Angle-Resolved Photoemission (ARPES) on the Current-Induced Metallic State of Ca ₂ RuO ₄	SUEN, Cissy
17:32	[3022] (POS-11) Spin Ice Spectrum with Finite Temperature in Pyrochlores	WEI, Chen
17:34	[3200] (G*) (POS-12) The Piezoelectric Contribution in the Catalytic Activities of BaTiO ₃ Nanoparticles	KALHORI, Hossein
17:36	[3457] (POS-13) Ultrasound and Transport Measurements in the Weyl Semimetal NbP	WARD, Marianne
17:38	[3259] (G*) (POS-14) Triangular Pair-Density Wave in Confined Superfluid 3-He	SENARATH YAPA, Pramodh
17:40	[3181] (POS-15) ¹⁹ F NMR investigation of barlowite kagome lattice Heisenberg antiferromagnet Zn _{1-x} Cu _{3+x} (OD) ₆ FBr (x ~ 0.05, 0.5, and 1)	YUAN, Weishi
17:42	[3486] (POS-16) Lattice Dynamical Study of High-Entropy Oxides	WILSON, Connor
17:44	[3518] (POS-64) Revival of Neutron Scattering Capabilities at the McMaster Nuclear Reactor	BEARE, James

DHP Poster Session & Student Poster Competition (0) | Session d'affiches DHP et concours d'affiches étudiantes (0) - MUSC

Marketplace (17:30 - 19:00)

DAMOPC Poster Session & Student Poster Competition (9) | Session d'affiches DPAMPC et concours d'affiches étudiantes (9) - MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:30	[3101] (G*) (POS-1) Femtosecond Pulse Compression Using Liquid Alcohols	STEPHEN, Jake
17:32	[3150] (G*) (POS-2) High-Harmonic Sidebands for Time-Resolved Spectroscopy	DROUILLARD, Nathan
17:34	[3261] (G*) (POS-3) Quantum catastrophes in a rotating Bose-Einstein condensate	KAMP, Denise
17:36	[3367] (G*) (POS-4) Wavelength-multiplexed entanglement-based quantum key distribution	VINET, Stephane
17:38	[3378] (G*) (POS-5) Transmission of near-infrared time bin encoded entangled photons through a 3.5km telecom fiber	VINET, Stephane

17:40	[3393] (G*) (POS-6) Active Phase Compensation of Polarization Encoded Photons in Quantum Key Distribution	WU, Wilson MOHAMMADI, Kimia
17:42	[3456] (G*) (POS-7) Search for Light Bosons with King and Super-King Plots Optimized for Li ⁺ .	DHINDSA, Harvir MARTON, Victor
17:44	[3476] (G*) (POS-8) Quantum Control of Trapped Ions Using Krotov's Algorithm	MANSON, Zachary
17:46	[3521] (G*) (POS-9) Demonstrating Novel Quantum Control With Ultracold Atoms	COOKE, Logan

DGEP Poster Session & Student Poster Competition (0) | Session d'affiches DEGP et concours d'affiches étudiantes (0) - MUSC Marketplace (17:30 - 19:00)

DSS Poster Session & Student Poster Competition (0) | Session d'affiches DSS et concours d'affiches étudiantes (0) - MUSC Marketplace (17:30 - 19:00)

DNP Poster Session & Student Poster Competition (4) | Session d'affiches DPN et concours d'affiches étudiantes (4) - MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:30	[3260] (G*) (POS-20) High-precision experimental nuclear physics with the upgraded TITAN Penning trap	KAKKAR, S.
17:32	[3336] (POS-21) Development of an In-Gas Laser Ablation source	GONZALEZ ESCUDERO, Laura
17:34	[3503] (G*) (POS-62) A comprehensive Monte Carlo simulation of the neutron response of multi-element microdosimetric detectors based on thick gas electron multiplier.	SINGH, Rachna
17:36	[3509] (G*) (POS-63) Optimization and Characterization of Bi-Detector Coincidence Beta-Ray Spectrometry System	SUN, Ruoyu

DASP Poster Session & Student Poster Competition (0) | Session d'affiches DPAE et concours d'affiches étudiantes (0) - MUSC Marketplace (17:30 - 19:00)

DPE Poster Session & Student Poster Competition (0) | Session d'affiches DEP et concours d'affiches étudiantes (0) - MUSC Marketplace (17:30 - 19:00)

DPMB Poster Session & Student Poster Competition (16) | Session d'affiches DPMB et concours d'affiches étudiantes (16) - MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:32	[3044] (U*) (POS-45) Measuring Axon Diameters in Mice Using Oscillating Gradient Spin Echo MRI Sequences	CHISHOLM, Madison
17:34	[3060] (G*) (POS-46) Inferring axon diameters in white matter tracts of the live mouse brain	ANDERSON, Melissa
17:36	[3100] (POS-48) Developments in the Rapid Diagnosis of Bacterial Pathogens Using Laser-Induced Breakdown Spectroscopy	BLANCHETTE, Emma

17:38	[3109] (G*) (POS-49) Segmentation in Quantitative Dynamic Nuclear Medicine: The Insufficiency of the TG-211 of the AAPM	LAPORTE, Philippe
17:40	[3128] (U*) (POS-50) Laser-Induced Breakdown Spectroscopy Emission Enhancement from Bacteria on a Silver Thin Film	TRACEY, Emily
17:42	[3130] (G*) (POS-51) Achieving robust perfect adaptation while suppressing stochastic fluctuations in biochemical reaction networks	KELL, Brayden
17:44	[3183] (G*) (POS-52) Atomic Force Microscopy and Molecular Dynamics to Study the Structure of Nanodomains of Model Lipid Membranes in Relation to Alzheimer's Disease.	MEI, Nanqin
17:46	[3205] (G*) (POS-53) Protective Effect of Trehalose Sugar Against Amyloid β Toxicity in Model Lipid Membranes	XU, Yue
17:48	[3287] (G*) (POS-54) The Feasibility of the Xenon Ventilatory ADC Approach Using ^{129}Xe MRI	PARNIYANY, Elnaz
17:50	[3434] (U*) (POS-55) HEDGEHOG: a ridge filter design for FLASH proton therapy	RODDY, David
17:52	[3264] (G*) (POS-56) Comparing perturbation responses of complex biological processes to their stochastic correlations	IYENGAR, Seshu
17:54	[3275] (POS-57) MSCDNet: A Multi-Scale and Cross-Dimension Feature Fusion Attention Network for Alzheimer's Disease Prediction With Structural MRI	LIU, Fei
17:56	[2996] (POS-58) Needle Tip Identification in Clinical Power Doppler Ultrasound Using Induced Vibrations by an Innovative Mechanical Oscillator	TESSIER, David
17:58	[3490] (U*) (POS-59) Using Ultrasound Imaging for Quantifying Kidney Fibrosis	MELINO, Helen
18:00	[3495] (U*) (POS-60) Sex Differences in Airway Metrics & Chronic Obstructive Pulmonary Disease	NASIR, Neha
18:02	[3510] (G*) (POS-61) Drug design of small molecules implementing a deep learning model.	NAIR, Vrinda
18:04	[3536] Effect of cuff-induced occlusion on muscle oxygenation	BURTON, Timothy

PPD Poster Session & Student Poster Competition (19) | Session d'affiches PPD et concours d'affiches étudiantes (19) - MUSC Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:30	[3058] (G*) (POS-27) The KDK Experiment: A Measurement of 40K Relevant for Rare-Event Searches	HARIASZ, Lilianna DI STEFANO, P.C.F.
17:32	[3062] (POS-28) Systematic Investigation of the TRIUMF Electron Cyclotron Resonance Ion Source Charge State Booster	ADEGUN, Joseph
17:34	[3435] (G*) (POS-29) Triggering on Atmospheric Muons in STRAW	VEENSTRA, Braeden
17:36	[3324] (G*) (POS-30) Muon Veto System for Mini-HALO Neutrino Detector	SAJID, Shayaan
17:38	[3187] (U*) (POS-31) Toward understanding the nuclear efficiency threshold of bubble chamber detectors	LI, Xiang
17:40	[3174] (G*) (POS-32) A mirror study in an ARICH detector for a hadron production experiment	FERRAZZI, Bruno

17:42	[3172] (G*) (POS-33) Optical Calibration of the SNO+ Detector using Internal Backgrounds	RICCETTO, Serena DEGHANI, Rayhaneh ALLEGA, Anthony
17:44	[3077] (G*) (POS-34) Optimizing IWCD's Outer Detector using optical simulations	TIWARI, Deepak
17:46	[3527] (U*) (POS-35) C14 in SNO+	PALESHI, Keegan
17:48	[3134] (U*) (POS-36) Commissioning and Calibration of a High Purity Germanium (HPGe) Detector at SNOLAB	SUBHI, Hassan
17:50	[3102] (G*) (POS-37) Toward a Veto Mechanism to Reduce Background for the Hyper-Kamiokande's Intermediate Water Cherenkov Detector	KOERICH, Luan
17:52	[3067] (POS-38) Analysis on A Large HPGe PPC Detector with Machine Learning	YE, Tianai
17:54	[3337] (U*) (POS-39) PMT Response Simulation and Long-Term Reliability Studies for nEXO's Muon Veto	RETTY, Liam
17:56	[3332] (U*) (POS-40) Cosmogenic Muon Background Characterization for nEXO	ROSS, Regan
17:58	[3132] (G*) (POS-41) SNO+ backgrounds: Po210 on the acrylic vessel surface and Rn222 in cavity water	YU, Shengzhao
18:00	[3104] (G*) (POS-42) Simulating nEXO's Outer Detector with Chroma	AL KHARUSI, Soud
18:02	[3500] (G*) (POS-43) Searches for double beta decay of Xe-134 with EXO-200	PERNA, Allan
18:04	[3526] (U*) (POS-44) Simulating an Active Target Time Projection Chamber	POSTUMA, Alicia
18:06	[3121] (POS-70) Upgrading the radiopurity.org materials database	SCORZA, Silvia

DTP Poster Session & Student Poster Competition (4) | Session d'affiches DPT et concours d'affiches étudiantes (4) - MUSC

Marketplace (17:30 - 19:00)

time	[id] title	presenter
17:30	[3051] (G*) (POS-23) Logarithmic Wave Catastrophes: Hawking Radiation, Tidal Bores, and Radio Astronomy	FARRELL, Liam
17:32	[3197] (G*) (POS-24) Emergent cosmology from matrix theory	LALIBERTÉ, Samuel
17:34	[3483] (G*) (POS-25) Quantum signatures of black hole mass superpositions	ARABACI, Cemile Senem
17:36	[3502] (U*) (POS-26) Gravitational Stability of Black Hole Mimickers	CADOGAN, Joshua

Departmental Leaders Meeting / Réunion des directeurs(directrices) de département - Off campus venue - McMaster

Innovation Park (across main street) (19:00 - 22:00)

-Conveners: Chitra Rangan

CJP Editorial Board Dinner | Souper du comité de rédaction de la RCP - Off campus venue (19:00 - 21:00)

-Conveners: Robert Mann

Wednesday, 8 June 2022

Congress Registration and Information (7h30 - 17h00) | Inscription au congrès et information (7h30 - 17h00) - MDCL Lobby (07:05 - 07:30)

NSERC Liaison Committee Meeting | Réunion du comité de liaison avec le CRSNG - MDCL 2230 (07:30 - 08:45)

-Conveners: Rituparna Kanungo

Exhibit Booths Open (08h30-16h00) | Salle d'exposition ouverte de 08h30 à 16h00 - MDCL Hallways (08:05 - 08:30)

W-PLEN1 Plenary Session | Session plénière - Shohini Ghose - MDCL 1305/07 (08:45 - 09:30)

-Conveners: Barbara Frisken

time	[id] title	presenter
08:45	[3010] The NSERC Chairs for Women in Science and Engineering in Canada	GHOSE, Shohini

W-PLEN2 Plenary Session | Session plénière - Chris Polly - MDCL 1305/07 (09:30 - 10:15)

-Conveners: Matthias Danninger

time	[id] title	presenter
09:30	[3240] First Results from the Muon g-2 Experiment at Fermilab's Muon Campus	POLLY, Chris

Health Break with Exhibitors | Pause santé avec exposants - MDCL Hallways (10:15 - 10:45)

W1-10 Building Stronger Physics Departments (CAP) | Construire des départements de physique plus forts (ACP) - MDCL 1009 (10:45 - 12:15)

-Conveners: Chitra Rangan

time	[id] title	presenter
10:45	[2991] (I) The Ruination of a University: The Sad Tale of the Laurentian University Fiasco	GALIANO, Eduardo
11:15	[3496] (I) Effective Practices for Physics Programs (EP3)	CRAIG, David
11:45	Discussion	

W1-5 Advances in Instrument Design (DAPI) | Progrès dans la conception d'instruments (DPAI) - MDCL 1016 (10:45 - 12:15)

-Conveners: Silvia Scorza

time	[id] title	presenter
10:45	[3328] A Parallel-Transmit Halbach Magnet TRASE MRI System	SHARP, Jonathan
11:00	[3009] Field Deployable Mass Spectrometer for Rapid Analysis of CBRNE Threats	MACDONALD, Emma
11:15	[3141] (G*) Characterization of Laser-Driven Photon Emission in Silicon Photomultipliers at TRIUMF	MARTIN, Juliette
11:30	[3075] (G*) Fluorescence of optical materials down to 4 K - acrylic, TPB, pyrene	ELLINGWOOD, Emma
11:45	[3277] (G*) Single Photon Air Analyzer	PATEL, Mayur

W1-6 Nuclei and Neutrinos (DNP) | Noyaux et neutrinos (DPN) - MDCL 1116 (10:45 - 12:15)**-Conveners: Michael Gericke**

time	[id] title	presenter
10:45	[3466] (I) BSM neutrino physics in weak nuclear decay	LEACH, Kyle
11:15	[3322] Barium Tagging from Xe Gas as an Upgrade to the nEXO Experiment	CHAMBERS, Christopher
11:30	[3356] (G*) Ba-ion mobility simulations in LXe for Ba-tagging at TRIUMF	CVITAN, Megan
11:45	[3326] (G*) Commissioning of a linear Paul ion trap for Ba-tagging	RASIWALA, Hussain
12:00	[3305] (G*) Commissioning of a Multiple-Reflection Time-of-Flight Mass-Spectrometer for Barium-tagging	MURRAY, Kevin

W1-1 Neutrino Experiments (PPD) | Expériences de neutrinos (PPD) - MDCL 1105 (10:45 - 12:15)**-Conveners: Mark Hartz**

time	[id] title	presenter
10:45	[3123] (I) Probing the hadronic Universe with high-energy neutrino observations: present and future	PARK, Nahee
11:15	[3059] Constraints on electron neutrino and antineutrino cross sections for the leptonic CP violation search at Hyper-Kamiokande	AKUTSU, Ryosuke
11:30	[3070] (G*) Implementation of Cherenkov Physics in Chroma for nEXO's Muon Veto	KLEMETS, Emma
11:45	[3086] (G*) The SNO+ Scintillator Fill	TAM, Benjamin
12:00	[3224] Measuring inelasticity distribution of neutrino interactions between E_{ν} 100 GeV and 1 TeV with IceCube DeepCore	LIUBARSKA, Maria

W1-4 Nuclear Structure (DNP) | Structure nucléaire (DPN) - MDCL 1110 (10:45 - 12:15)**-Conveners: Krzysztof Starosta**

time	[id] title	presenter
10:45	[3473] (I) First Evidence of Axial Shape Asymmetry and Shape Coexistence in ^{74}Zn : Suggestion for a Northern Extension of the $N=40$ Island of Inversion	ROCCHINI, Marco
11:15	[3342] (G*) Investigation of States Populated in the $^{102}\text{Ru}(p,t)$ Two Neutron Transfer Reaction	BUCK, Samantha
11:30	[2987] Electromagnetic Transition Rate Studies in ^{28}Mg	STAROSTA, Krzysztof
11:45	[3028] (G*) Direct Population and Lifetime Measurement of the 2^+_{11} State in ^{40}Ca via an Alpha-transfer Reaction	WU, Frank (Tongan)
12:00	[3221] (G*) Beam Development and Composition at TRIUMF with the TITAN MR-TOF Mass Spectrometer	WALLS, Coulter

W1-7 Non-Thermal Plasmas (DPP) | Plasmas non thermiques (DPP) - MDCL 1115 (10:45 - 12:15)**-Conveners: Stephan Reuter; Ahmad Hamdan**

time	[id] title	presenter
10:45	[3107] (I) Plasma assisted oxidation of H_2 mixtures: from physics to chemistry	SNOECKX, Ramses

11:15	[3381] (I) Advanced plasma deposition of organosilicon thin films at atmospheric pressure for innovative eco-friendly devices: tuning the physical mode for different applications	PROFILI, Jacopo
11:45	[3404] (G*) Characterization of aerosol-assisted low pressure plasma deposition processes	SIMONNET, Claire
12:00	[3403] (G*) Impact of NH ₃ consumption in a low frequency Ar-NH ₃ atmospheric pressure DBD	ROBERT, Raphael

W1-9 Quantum Magnetism (DCMMP) | Magnétisme quantique (DPMCM) - MDCL 1010 (10:45 - 12:15)

-Conveners: Takashi Imai

time	[id] title	presenter
10:45	[3211] (G*) Inverse Laplace transform of NMR spin-lattice relaxation data	WANG, Jiaming
11:00	[3111] (G*) Dynamic and frozen quantum magnetism in the ground states of triangular lattice magnets YbMgGaO ₄ , ErMgGaO ₄ and YbCoGaO ₄ from inelastic neutron scattering	HUANG, Symphony (Hsiao-Yuan)
11:15	[3175] (G*) The case for a U(1) π Quantum Spin Liquid Ground State in the Dipole-Octupole Pyrochlore Ce ₂ Zr ₂ O ₇	SMITH, Evan
11:30	[3228] (G*) IDMRG study of the J-Gamma Ladder: Shy of a Bakers Dozen	AVAKIAN, Sebastien
11:45	[3194] (U*) Electrical Control of Magnetism in Kitaev Materials	HOWSON, Griffin

W1-8 Condensed Matter Theory I (DCMMP/DTP) | Théorie de la matière condensée I (DPMCM/DPT) - MDCL 1309 (10:45 - 12:15)

-Conveners: Olivia Di Matteo

time	[id] title	presenter
10:45	[3085] Eigenstate entanglement in integrable collective spin models	KUMARI, Meenu
11:00	[3106] Quantum computing fidelity susceptibility using automatic differentiation	DI MATTEO, Olivia
11:15	[3114] Hyperbolic Matter in Electrical Circuits with Tunable Complex Phases	BOETTCHEER, Igor
11:30	[3144] Computing excitations in a matrix product state with block Lanczos	BAKER, Thomas
11:45	[3007] (G*) Relaxation of non-integrable systems and correlation functions	RIDDELL, Jonathon
12:00	[3112] (G*) Atomic insights into the lattice dynamics driving the relaxation of charged defects	YUAN, Shuaishuai

W1-2 Quantum Theory (DTP) | Théorie quantique (DPT) - MDCL 1008 (10:45 - 12:15)

-Conveners: Randy Lewis

time	[id] title	presenter
10:45	[3118] (I) Quantum Foundations Meets Causal Inference	SPEKKENS, Robert
11:15	[3226] (G*) Locality in quasi-Hermitian quantum theory	BARNETT, Jacob
11:30	[3303] (U*) Non-perturbative Extraction of Tripartite Vacuum Entanglement	MENDEZ AVALOS, Diana
11:45	[3338] (G*) Channel capacity of relativistic quantum communication with rapid interaction	GALLOCK YOSHIMURA, Kensuke
12:00	[3314] (G*) Variationally Scheduled Quantum Simulation	BUCK, Samantha

W1-3 Optical Tools (DAMOPEC/DPMB) | Outils optiques (DAMOPEC/DPMB) - MDCL 1102 (10:45 - 12:15)

-Conveners: Ozzy Mermut; Jens Lassen

time	[id] title	presenter
10:45	[3377] (I) Monitoring Humulone Isomerization Using Raman Spectroscopy: A Bitter Problem in the Microbrewing Industry	WHELAN, William M.
11:15	[3078] (G*) Rapid Detection of Bacterial Pathogens in Water and Clinical Specimens Using Laser-Induced Breakdown Spectroscopy	BLANCHETTE, Emma
11:30	[3351] (G*) A novel optical filter-based Raman system operating in strong ambient light for in vivo clinical applications	GUO, Hao
11:45	[3316] (G*) Using synchrotron radiation techniques as a tool in invertebrate paleontology	MITCHELL, Jerit
12:00	discussion & speaker Q&A;	

Student Lunch Session | Dîner-rencontre des étudiants - MDCL 1305/07 (12:15 - 13:15)**Break for Lunch (12h15-13h15) | Pause pour dîner (12h15-13h15) - MDCL Hallways (12:15 - 13:15)****New Faculty Lunch Meeting with NSERC | Dîner rencontre des nouveaux professeurs avec le CRSNG - MDCL 2230 (12:15 - 13:15)**

-Conveners: Chitra Rangan

W2-6 Neutrino Experiment and Related Calibrations II (PPD) | Expériences de neutrinos et calibration reliée II (PPD) - MDCL 1105 (13:15 - 14:45)

-Conveners: Nahee Park

time	[id] title	presenter
13:15	[3362] (G*) Spatially resolved laser scanning for the performance characterization of silicon photomultipliers	GINGRAS, Chloe
13:30	[3331] (G*) Characterization of VUV sensitive silicon photomultipliers	CHANA, Bindhya
13:45	[3236] (G*) Improving the Super-Kamiokande systematics uncertainties by characterizing single PMT response at the photosensor test facility	GOUSY-LEBLANC, Vincent
14:00	[3116] (G*) Cryogenic Distillation for Xe Isotopic Enrichment	EMARA, Abo-bakr
14:30	[3273] Measuring light distribution of LED sources for Hyper-Kamiokande detector calibration	BOOTH, Nicholas

W2-9 Fluids and Granular Matter (DCMMP) | Fluides et matière granulaire (DPMCM) - MDCL 1010 (13:15 - 14:45)

-Conveners: Colin Denniston

time	[id] title	presenter
13:15	[3421] (I) The hydrodynamics of active matter in inhomogeneous environments	ELFRING, Gwynn
13:45	[3208] (G*) Colloidal suspensions near the fluid phase interface of coupled Lattice-Boltzmann and molecular-dynamics simulations	CRESTA, Daniel
14:00	[3003] (G*) The Pendant Drop Experiment for Aggregates of Adhesive Granular Particles	HESHMATZADEH, Yasaman

14:15	[3018] (G*) Coiling and Buckling Instabilities in Moving Chains of Droplets	LEE, Carmen
14:30	[3302] (G*) Dynamic properties of a 2D granular analogue of a liquid puddle predicted through a 'granular capillary length'	HOGGARTH, Johnathan

W2-8 Condensed matter theory II (DCMMP/DTP) | Théorie de la matière condensée II (DPMCM/DPT) - MDCL 1309

(13:15 - 14:45)

-Conveners: Tamar Pereg-Barnea

time	[id] title	presenter
13:15	[3160] (G*) Artificial electric field and electron hydrodynamics	TAVAKOL, Omid
13:30	[3339] Fractonic quantum phases in breathing pyrochlore lattice	HAN, SangEun
13:45	[3057] Thermal Conductivity of Square Ice	RAU, Jeffrey
14:00	[3292] Self-consistent study of topological superconductivity in quasicrystals	TANAKA, K.
14:15	[3049] Magnetic-field Induced Topological Transitions and Thermal Conductivity in a Generalized Kitaev Model	LI, Heqiu

W2-7 Plasma-Matter interactions (DPP) | Interactions plasma-matière (DPP) - MDCL 1115 (13:15 - 14:45)

-Conveners: Stephan Reuter; Ahmad Hamdan

time	[id] title	presenter
13:15	[3450] (I) Plasma Immersion Ion Implantation: Physics & Applications	BRADLEY, Michael
13:45	[3196] (I) Homogeneous, Micron-scale High Energy Density Matter Generated by Relativistic Laser-solid Interactions	BEIER, Nicholas
14:15	[3341] (G*) High-Fluence Plasma Immersion Ion Implantation (PIII) for Fusion PFC Materials Testing	YOUSAF, tahreem
14:30	[3042] (G*) Nanosecond Pulsed Discharge in Air with the Presence of Micrometre Particles: Investigation of the Electrical and Optical Properties	DIAMOND, James

W2-5 DPE IV (DPE) | DEP IV (DEP) - MDCL 1116 (13:15 - 14:45)

-Conveners: Daria Ahrensmeier

time	[id] title	presenter
13:15	[3479] (I) Engaging diverse student interests through independent projects	FORDE, Nancy
13:45	[3481] (I) Development of hybrid assessments for a electricity and magnetism service courses	HARLICK, Ania ADAMS, Elijah BOOTH, Rebecca
14:15	[3103] Bringing physics to life with experiential learning	TERRANA, Alexandra
14:30	[3048] Case Studies for Small-Group Student Collaboration in Large-Enrollment Introductory Physics Classes	ANTIMIROVA, Tetyana

W2-10 DAMOPC I (DAMOPC) | DPAMPC I (DPAMPC) - MDCL 1008 (13:15 - 14:45)

-Conveners: Jens Lassen

time	[id] title	presenter
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13:15	[3056] (G*) Atomic Shell Structure of the Entire Periodic Table Using an Alternative Approach to Orbital-Free Density-Functional Theory	LEMAITRE, Phil
13:30	[3142] (G*) A Projection Operator Approach to Charge-State Distributions following the beta-Decay of ${}^6\text{He}$	BONDY, Aaron
13:45	[3140] Relativistic corrections to helium two-photon decay rates	BONDY, Aaron
14:00	[3066] (U*) Diagnostic technique to identify collision site in an ion trap	DE URIOSTE TERRAZAS, Itzal
14:15	[3522] Suppression of Raman Interaction due to destructive interference in Alkali Atoms	TASHCHILINA, Arina
14:30	session end discussion, Q&A;	

W2-4 Fundamental Symmetries and new physics at low energy II (DNP) | Symétries fondamentales et nouvelle physique à basse énergie II (DPN) - MDCL 1009 (13:15 - 14:45)

-Conveners: Russell Mammei

time	[id] title	presenter
13:15	[3469] (I) Progress towards atomic parity violation measurements in francium	GWINNER, Gerald
13:45	[3352] (G*) First Measurement of the 7s–8s M1 Transition in Francium	HUCKO, Timothy
14:00	[3373] (G) Optical pumping of francium atoms for the measurement of the 7S-8S scalar to vector transition polarizability ratio.	SHARMA, Anima
14:15	[3073] Advances in the Spectroscopy of the 1S-2S Transition in Antihydrogen	OLIN, Art
14:30	[3210] (G*) Precision Antihydrogen Annihilation Reconstructions using the ALPHA-g Detector	WOOSAREE, Pooja

W2-3 Biophysics Outside the Box (DPMB) | Biophysique hors de la boîte (DPMB) - MDCL 1102 (13:15 - 14:45)

-Conveners: Melanie Campbell

time	[id] title	presenter
13:15	[3148] (I) Functional and Functionalized Membranes	RHEINSTADTER, Maikel
13:45	[3239] (G) Diversity-generating host-disease coevolution with CRISPR adaptive immunity	BONSMA-FISHER, Madeleine
14:00	[3030] (G*) The role of ammonium ions in prebiotic RNA polymerization in hot-cold and hydration-dehydration cycles	DUJARDIN, Alix
14:15	[3296] (G*) The roles of secondary metabolite production in sustaining microbial diversity	LUI, Ga Ching
14:30	[3238] (G*) Using Phytoglycogen as an Agent to Improve the Water Solubility of Bioactive Compounds	VAN HEIJST, Nicholas

W2-2 Fields, Particles, and Strings II (DTP) | Champs, particules et cordes II (DPT) - MDCL 1016 (13:15 - 14:45)

-Conveners: Arundhati Dasgupta

time	[id] title	presenter
13:15	[3327] (I) Quantum finite elements	SEAHRA, Sanjeev
13:45	[3432] (G*) One problem in a 'melon' (milion)	GIROUX, Mathieu

14:00	[3383] (G*) The complex symmetron: global strings in non-minimally coupled scalar-tensor theories	NEZHADSAFAVI, Ali
14:15	[3401] (G*) Interaction of Gravitational waves with Yang-Mills waves	GOSALA, Narasimha
14:30	[3306] (G*) Sorkin-Johnston Effective Field Theory	SHAWQI, Shafayat

W2-1 Machine Learning in HEP and Novel Reconstruction Tools (PPD) | Apprentissage automatique en PHE et nouveaux outils de reconstruction (PPD) - MDCL 1110 (13:15 - 14:45)

-Conveners: Max Swiatlowski

time	[id] title	presenter
13:15	[3161] Machine learning techniques to enhance event reconstruction in water Cherenkov detectors	PROUSE, Nick
13:45	[3195] (G*) New background discrimination methods for the NEWS-G dark matter search experiment	COQUILLAT, Jean-Marie
14:00	[3343] (G*) Improving Muon-Pion & Electron-Pion Separation at Belle II with Machine Learning Using the Novel Pulse Shape Discrimination in Csl(Tl)	BEAUBIEN, Alexandre
14:15	[3370] (G*) Machine learning to denoise pulses from a p-type point contact germanium detector	ANDERSON, Mark
14:30	[3262] (G*) Machine Learning for Noise Removal in NEWS-G	ROWE, Noah

Health Break with Exhibitors | Pause santé avec exposants - MDCL Hallways (14:45 - 15:15)

W3-6 ML in HEP and Rare Background Searches (PPD) | Apprentissage automatique en PHE et recherche d'interférences rares (PPD) - MDCL 1110 (15:15 - 16:30)

-Conveners: Matthias Danninger

time	[id] title	presenter
15:15	[3214] (G*) A method to understand the effects of pileup in the DEAP-3600 detector	BINA, Catherine
15:30	[3043] Ex-situ Measurement of Radon Emanation for Ultralow-background Experiments	ADHIKARI, Pushparaj
15:45	[3093] Alpha Quenching Factor in Liquid Argon	SETH, Susnata
16:00	[3117] Calibrating eV-Sensitive Detectors at the Université de Montréal Tandem Accelerator	MICHAUD, Emile DE BRIENNE, Francois
16:15	[3191] Developing a simulation for estimation of SiPM optical crosstalk levels	MINCHENKO, Dmytro

W3-10 Applied Physics I (DAPI) | Physique appliquée I (DPAI) - MDCL 1016 (15:15 - 16:30)

-Conveners: Louis Poirier

time	[id] title	presenter
15:15	[3330] (G*) Universality in Prediction Markets	ROCK, Keanu Mason
15:30	[3017] (U*) Earth-Like Stratospheric Clouds Do Not Impede Transit Spectroscopy with JWST	DOSHI, Dhvani Chetan
15:45	[3190] (G*) Quantifying radiolysis effects for in-situ Rutherford Backscattering Spectrometry (RBS)	FELTHAM, Hunter

16:00	[3005] (U*) A Joint Chirp-Rate-Time-Frequency Transform for Non-templated BBH Merger Gravitational-Wave Signal Detection Using Spectrograms	LI, Xiyuan
16:15	[3508] An investigation of power loss in a thickness-mode piezoelectric transducer	RODRÍGUEZ, Orlando

W3-9 Laser Development (DAMOPC) | Progrès dans les lasers (DPAMPC) - MDCL 1008 (15:15 - 16:30)

-Conveners: Jens Lassen

time	[id] title	presenter
15:30	[3358] Metamaterials and the Lambert W functio	JISRAWI, Najeh
15:45	[3034] Coherence, nonclassicality and entanglement of continuous-variable states	HERTZ, Anaelle
16:00	[3348] (G*) Stellar representation of extremal Wigner-negative spin states	DAVIS, Jack
16:15	session discussion, Q&A;	

W3-1 New Physics and Dark Sector (DTP/PPD) | Nouvelle physique et secteur sombre (DPT/PPD) - MDCL 1105 (15:15 - 16:45)

-Conveners: Evan McDonough; Matthias Danninger

time	[id] title	presenter
15:15	[3188] (G*) Dark Matter-neutrino interactions through one-loop diagrams	MACÍAS CÁRDENAS, Karen
15:30	[3171] Spin-dependent dark matter-electron interactions	WU, Chih-Pan
15:45	[3011] (I) Z' Bosons in Supersymmetry: Mass Limits, Dark Matter, Anomalous Magnetic Moments, and Flavour Anomalies	FRANK, Mariana
16:15	[3398] Dark Sector Production via Proton Bremsstrahlung	FOROUGH-ABARI, Saeid
16:30	[3002] Searching for Minicharged Particles at the LHC's Run-3 with the Phase-I MoEDAL-MAPP Detector	STAELENS, Michael

W3-2 Frontiers in Theoretical Physics I (DTP) | Frontières en physique théorique I (DPT) - MDCL 1115 (15:15 - 16:30)

-Conveners: Robert Spekkens

time	[id] title	presenter
15:15	[3001] (I) Causality and modifications to Einstein's gravity	CARON-HUOT, Simon
15:45	[3359] (G*) Quantum Corrections to Hawking Radiation	SCHNEIDER, Mathew
16:00	[3529] Gravitational time dilation, free fall, and matter waves	CZARNECKI, Andrzej

W3-8 Soft Condensed Matter II (DCMMP) | Matière condensée molle II (DPMCM) - MDCL 1116 (15:15 - 16:30)

-Conveners: John Dutcher

time	[id] title	presenter
15:15	[3295] (G*) Bending a floating film using capillary forces	DUTCHER, Lauren
15:30	[3223] (G*) Measuring elastocapillary dissipation in droplets moving along soft elastomer films	KHATTAK, Hamza
15:45	[3063] (G*) Dispersion and Orientation Patterns in Nanorod-infused Polymer Melts	AFRASIABIAN, Navid
16:00	[3125] (G*) Lifshitz Critical Point in Diblock Copolymer Blends	WILLIS, James Daniel

16:15	[3312] (G*) Dynamical self-consistent field theory simulation of dendritic phytoglycogen nanoparticles	MORLING, Benjamin
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W3-7 Light and Matter (DCMMP) | Lumière et matière (DPMCM) - MDCL 1010 (15:15 - 16:30)

-Conveners: Michael Bradley

time	[id] title	presenter
15:15	[3388] (G*) Towards an on-demand, all electrical single-photon source	HARRIGAN, Stephen
15:30	[3290] Optical Properties of SiGeSn Alloys Fabricated by Ion Implantation	EKERUCHE, Chinenye
15:45	[3424] (I) Simulating the dynamics of photo-excitations in disordered materials	SIMINE, Lena

W3-3 Cell and Membrane Biophysics (DPMB) | Biophysique de la cellule et des membranes (DMPB) - MDCL 1102 (15:15 - 16:30)

-Conveners: Melanie Campbell

time	[id] title	presenter
15:15	[3344] (G*) Vesicle Viewer: Online visualization and analysis of small-angle scattering from lipid vesicles	LAURENT, Aislyn
15:30	[3266] (U*) MEMBRANE BASED BIOSENSOR FOR THE DETECTION OF ANTIBIOTICS	MICHAL, Feigis
15:45	[3384] (U*) Can Confocal Microscopes Detect Transcriptional Condensates?	HODGINS, Lydia
16:00	[3012] (G*) Erythro-PmBs: A Novel Polymyxin B Delivery System Using Antibody-Conjugated Hybrid Erythrocyte Liposomes	KRIVIC, Hannah
16:15	[2985] (G*) Dynamic behaviour of microtubules around the critical temperature and effect of the electric field produced by these vibrations on its environment	NGANFO YIFOUE, Willy Aniset

W3-4 DPE V (DPE) | DEP V (DEP) - MDCL 1009 (15:15 - 16:30)

-Conveners: Daria Ahrensmeier

time	[id] title	presenter
15:15	[3448] (I) Teaching quantum computing through quantum software	DI MATTEO, Olivia
15:45	[3286] Fully Immersive VR in Teaching and Science Outreach	BARRETT, Jonathan
16:00	[3274] (G*) Virtual Learning Resources for Education and Training in Neutron Scattering	ZI, Yijia
16:15	[3478] (U*) Novel methods to model the spread of COVID-19 in Kingston and inform public health policy	MICUDA, Ashley

W3-5 Panel Report on ICWiP Mtg + DGEP Networking Session (DGEP) | Rapport sur la réunion CIFEP et session de réseautage DGEP (DGEP) - MDCL 1309 (15:15 - 16:30)

-Conveners: Svetlana Barkanova

time	[id] title	presenter
15:15	[3501] (I) Panel Report from 7th IUPAP International Conference for Women in Physics	CAMPBELL, Melanie RANGAN, Chitra
15:45	DGEP Networking Session	

Division Judges Meeting - Oral and Poster Competition | Rencontre des juges des divisions - compétition orale et compétition affiche - MDCL 2230 (16:30 - 17:30)

Decide Competitors for Thurs. PM.

-Conveners: William Whelan

Student Session : Industry Meet & Mingle | Session étudiante : Rencontre avec l'industrie - MDCL 1110 (16:45 - 18:00)

-Conveners: Ian D'Souza; Daniel Cluff

CAP President's Report | Rapport du président de l'ACP - Manu Paranjape - MDCL 1305/07 (16:45 - 17:45)

-Conveners: Robert Thompson

CAP-level BSOC and BSPC Judges Meeting | Réunion des juges (niveau ACP) pour MCOE et MCAE - MDCL 2230 (17:30 - 17:45)

-Conveners: William Whelan

Break: (for those who purchased tickets) Take Rented Bus, or personal car, to Banquet Dinner (18h00-19h10) |

Pause: (pour ceux qui ont acheté des billets) prendre le bus loué, ou une voiture personnelle vers le banquet (18h00-19h10) - Front of MDCL (18:00 - 18:30)

Break for Dinner (18h00-20h00) | Pause pour souper (18h00-20h00) (18:00 - 20:00)

CAP Banquet + Fellows Recognition Dinner - Limited seating. Tickets will not be sold at the door | Banquet et reconnaissance des Fellows de l'ACP - Sièges limités; aucun billet vendu à l'entrée - Off campus venue - Royal Botanical Gardens (18:30 - 21:30)

-Conveners: Manu Paranjape

Thursday, 9 June 2022

Visit CAP Congress website (<https://www.cap.ca/congress/2022>) for information about meetings scheduled outside of Congress week, eg AGM, NSERC Community Update, Division business meetings (07:00 - 07:05)

Congress Registration and Information (7h30-13h30) | Inscription au congrès et information (7h30-13h30) - MDCL Lobby (07:05 - 07:30)

CINP Board Meeting | Réunion du conseil de l'ICPN - MDCL 2230 (07:30 - 08:45)

CINP Board meeting

-Conveners: Garth Huber

R1-7 Materials for Energy Applications (DCMMP) | Matériaux pour applications en énergie (DPMCM) - MDCL 1010 (08:45 - 10:15)

-Conveners: Patrick Clancy

time	[id] title	presenter
09:15	[3428] (I) The asymmetric charge-discharge kinetics in $\text{Li}_{1-x}\text{Ni}_{1+x}\text{O}_2$ from first principles	XIAO, Penghao
09:45	[3427] (I) High Performance Nano-Engineered Ion-Exchange Membranes for Clean Energy Systems	KAUR, Jasneet

R1-1 Precision and Dark Matter Experiments (PPD) | Expériences de précision et sur la matière sombre (PPD) - MDCL 1105 (08:45 - 10:15)

-Conveners: Rainer Dick

time	[id] title	presenter
08:45	[3399] Magnetic Holding Field Requirements for UCN Precession in the TUCAN EDM Experiment	MCCREA, Mark
09:00	[3120] Radioactive Background Characterization of the Cryogenic Underground TEST Facility (CUTE)	SCORZA, Silvia
09:15	[3094] DEAP-3600 Hardware Upgrades	DAUGHERTY, Sean
09:30	[3131] Searching for Dark Matter with Liquid Argon: DEAP-3600, DarkSide-20k, and Argo	JILLINGS, Chris
09:45	[3219] Calibration and characterisation of an "achinos" multi-anode sensor for the SNOLAB commissioning of the NEWS-G experiment	SAVVIDIS, George
10:00	[3293] Light-only Liquid Xenon (LoLX) Experiment for Cherenkov and Scintillation Light	REBEIRO, Bernadette Maria

Best Student Poster Competition Finals Judging (Closed to delegates) | Jugement des finales de la compétition d'affiches étudiantes (session fermée) - MDCL 1305/07 (08:45 - 10:45)

-Conveners: William Whelan

R1-6 Testing the Standard Model and Searches for New Physics at Intermediate Energies (DNP) | Tests du modèle standard et recherche de nouvelle physique aux énergies intermédiaires (DPN) - MDCL 1008 (08:45 - 10:15)

-Conveners: Wouter Deconinck

time	[id] title	presenter
08:45	[3021] (I) Deep Exclusive π^+ Production using a Transversely Polarized ^3He Target and the Solenoidal Large Intensity Device (SoLID)	HUBER, Garth
09:15	[3335] (I) Beyond-Standard-Model Physics using Rare Eta and Eta-prime Neutral Decays	PAPANDREOU, Zisis
09:45	[3465] (I) Global Extraction of Nucleon Generalized Parton Distributions from Deeply Virtual Compton scattering	SHIELLS, Kyle

R1-5 Polymer Physics Theory (DCMMP) | Théorie physique des polymères (DPMCM) - MDCL 1016 (08:45 - 10:15)

-Conveners: Robert Wickham

time	[id] title	presenter
09:00	[3032] Stabilizing Binary Mesocrystals via Block Copolymer Blends	XIE, Jiayu
09:15	[3209] Multiphase Transitions Involving Confined Polymers in Solution	CHANGIZREZAEI, Setarehalsadat
09:30	[3089] Formation of Complex Spherical Packing Phases in Binary Blends of Diblock Copolymers	LI, Yu
09:45	[3127] Fluctuation Effects on Diblock Copolymer Melts using Field-Theoretic Simulations	BEARDSLEY, Tom
10:00	[3055] Memory effect in simulations of asymmetric diblock copolymers under thermal processing	YANG, Yang

R1-4 Precision Nuclear Processes and Beyond (DNP) | Processus nucléaires de précision et au delà (DPN) - MDCL 1110 (08:45 - 10:15)

-Conveners: Svetlana Barkanova

time	[id] title	presenter
08:45	[3468] (I) Using statistical methods to determine the astrophysical origins of heavy nuclei	VASSH, Nicole
09:15	[3157] Cluster recognition using Machine Learning applied to Neutron star crusts	BOHORQUEZ, Jaime
09:30	[3149] Study of cross-shell excitations near the 'island of inversion' using fusion-evaporation and Doppler shift methods	STAROSTA, Krzysztof
09:45	[3235] A Capillary Probe for Ion Extraction from Liquid Xenon	COLLISTER, Robert

R1-3 DPMB 101 Lectures (DPMB) | Conférences DPMB 101 (DPMB) - MDCL 1102 (08:45 - 10:15)

-Conveners: Cornelia Hoehr

time	[id] title	presenter
08:45	[3470] (I) Advanced Near Infrared Spectroscopy Techniques for Biophotonics Applications	DIOP, Mamadou
09:30	[3471] (I) Single-molecule mechanical studies of unstable protein building blocks	FORDE, Nancy

R1-2 Gravity and Cosmology II (DTP) | Gravité et cosmologie II (DPT) - MDCL 1009 (08:45 - 10:15)**-Conveners: Randy Lewis**

time	[id] title	presenter
08:45	[3052] (I) Deciphering the Baryonic Universe: A New Window Into the Cosmos	PADMANABHAN, Hamsa
09:15	[3038] Equivalence of gravity theories in the covariant phase space	MARGALEF, Juan
09:30	[3400] Quantum Gravity Phenomenology	DASGUPTA, Arundhati
09:45	[3159] The gravitational field of a non-local superposition	PARANJAPE, Manu
10:00	[3347] Holographic Thermodynamics of AdS Black Holes: Central Charge Criticality	MANN, Robert

Health Break | Pause santé - MDCL Hallways (10:15 - 10:45)**R2-4 Quantum Materials II (DCMMP) | Matériaux quantiques II (DPMCM) - MDCL 1010 (10:45 - 12:15)****-Conveners: Tamar Pereg-Barnea**

time	[id] title	presenter
10:45	[3072] Probing a Novel Low Temperature State in Cs ₂ AgBiBr ₆ via Resonance Raman Spectroscopy and Photoluminescence	TOWER, Collin
11:00	[3071] Pseudogap formation at the β to β' phase transition in the Chalcogenide As ₂ Te ₃	DION, Jeremy
11:15	[3133] Atomically Defined Wires on P-Type Silicon	ALTINCICEK, Furkan
11:30	[3482] Density changes in amorphous silicon provoked by swift heavy ions	ROORDA, Sjoerd
11:45	[3391] Beta-SRF at TRIUMF - A Unique Facility to Characterize SRF Materials Near Fundamental Limits	THOENG, Edward

R2-5 Materials Synthesis and Characterization (DCMMP) | Synthèse et caractérisation de matériaux (DPMCM) - MDCL 1008 (10:45 - 12:15)**-Conveners: Al-Amin Dhirani; Al-Amin Dhirani**

time	[id] title	presenter
10:45	[2999] Surface Conduction Measurement of Si Nanostructures by Ohmic Two Probes in a Multi-probe Scanning Tunneling Microscope	KHADEMI, Ali PITTERS, Jason
11:15	[3083] "Nanoengineering" 2-D nanosheets	DHIRANI, Al-Amin
11:30	[3325] Transient nonlinear optical properties of nanostructures made of quantum dots and metallic nanoparticles	FANG, Ningyan
11:45	[3162] SiGe nanocrystals in SiO ₂ : optical and materials properties	ADAM, Matheus
12:00	[3282] A scanning tunneling microscopy study of a two dimensional organometallic network on the Ag(111) surface	GALLAGHER, Mark

R2-1 Applied Physics II (DAPI) | Physique appliquée II (DPAI) - MDCL 1016 (10:45 - 12:15)**-Conveners: Steffon Luoma**

time	[id] title	presenter
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10:45	[3475] (I) Confirming internal microwave resonances in grape-sized aqueous objects using calorimetry, thermography, and FEM simulations	SLEPKOV, Aaron
11:15	[3124] Catch basin rating curves	POIRIER, Louis
11:30	[3376] Tempological Control: Stable Synchronization through Time-Varying Networks	CORNELIUS, Sean
11:45	[3207] Active Region Extent Assessment with X-rays (AREA-X) shown for the example of sensors for the ATLAS ITk tracker	POLEY, Luise

R2-3 DPMB Trainee Networking (DPMB) | Réseautage de stagiaires DPMB (DPMB) - MDCL 1102 (10:45 - 12:15)

-Conveners: Valerie Booth

R2-2 Frontiers in Theoretical Physics II (DTP) | Frontières en physique théorique II (DPT) - MDCL 1009 (10:45 - 12:15)

-Conveners: Mohammad Ahmady

time	[id] title	presenter
10:45	[3530] Ultralight Dark Matter and Cosmological Condensed Matter Physics	MCDONOUGH, Evan
11:15	[3345] Structural Aspects of Quasi-Topological Gravity	HENNIGAR, Robie
11:30	[3329] Unification of Quantum and Relativistic Measurements	SHARP, Jonathan
11:45	[3285] Fermionic FIMP dark matter models providing low-scale leptogenesis.	POULOSE, Poulouse
12:00	[3137] Solar Cells_and the Lambert W Function	VALLURI, Sreeram

R2-0 Joint CINP-IPP Sessions (DNP/PPD) | Réunion conjointe de l'ICPN et de l'IPP (DPN-PPD) - MDCL 1305/07 (10:45 - 12:15)

-Conveners: Garth Huber

time	[id] title	presenter
10:45	Health Break Pause santé	
11:15	Health Break Pause santé	

Break for Lunch (12h15-13h15) | Pause pour dîner (12h15-13h15) (12:15 - 13:15)

CINP Annual General Meeting (with lunch) | Assemblée générale annuelle de l'ICPN (dîner inclus) - MDCL 1009 (12:15 - 13:15)

-Conveners: Garth Huber

R-STUD-COMP CAP Best Student Oral Presentations Final Competition | Compétition finale de l'ACP pour les meilleures communications orales d'étudiantes - MDCL 1305/07 (13:15 - 15:15)

-Conveners: William Whelan

time	[id] title	presenter
13:15	Competitor 1	
13:30	Competitor 2	
13:45	Competitor 3	
14:00	Competitor 4	

14:15	Competitor 5	
14:30	Competitor 6	
14:45	Competitor 7	
15:00	Competitor 8	

Health Break | Pause Santé - MDCL Hallways (15:15 - 15:45)

Judges Meeting and Announcement Preparation | Rencontre des juges et préparation d'annonce - MDCL 2230 (15:15 - 16:30)

-Conveners: William Whelan

R-PLN1 Plenary Session | Session plénière - Cliff Burgess - MDCL 1305/07 (15:45 - 16:30)

-Conveners: Randy Lewis

time	[id]	title	presenter
15:45	[3531]	Thinking Effectively About Gravity (the view from below)	BURGESS, Clifford

Student Awards Ceremony | Cérémonie de reconnaissance d'étudiant(e)s - MDCL 1305/07 (16:30 - 17:15)

-Conveners: William Whelan; Manu Paranjape

Close of Congress | Clôture du congrès - MDCL 1305/07 (17:15 - 17:30)

-Conveners: Manu Paranjape

4D detector workshop | Atelier sur les détecteurs 4D - MDCL 2230 (17:30 - 19:00)

Remote connection: <https://cern.zoom.us/j/62568526830?pwd=b3FoY3BUZXZXSUVJY2w4R0oyb2lLZz09>

-Conveners: Fabrice Retiere; Luise Poley

Friday, 10 June 2022

IPP AGM | AGA de l'IPP (09:00 - 12:00)

-Conveners: Michael Roney

time [id] title

presenter

time	[id]	title	presenter
11:00		Break	

IPP Scientific Council Meeting | Réunion du comité scientifique de l'IPP (13:00 - 14:00)

-Conveners: Michael Roney

IPP Inst. Members and Board of Trustees Meetings | Réunions des membres inst. et du conseil de l'IPP (14:00 - 17:00)

-Conveners: Adam Ritz; Michael Roney