

PHD PHYSICS DEGREES AWARDED IN CANADIAN UNIVERSITIES DOCTORATS EN PHYSIQUE DÉCERNÉS PAR LES UNIVERSITÉS CANADIENNES

DECEMBER 2020 TO DECEMBER 2021 / DÉCEMBRE 2020 À DÉCEMBRE 2021

CARLETON UNIVERSITY

DELGOBBO, P., "Attenuated Alpha Backgrounds in the DEAP-3600 Dark Matter Search Experiment", (S. Viel), October 2021, searching for employment.

DYDULA, C., "Development of X-ray Coherent Scatter Projection Imaging Systems", (P. Johns), February 2021, Medical Physics Resident at Odette Cancer Centre, Toronto, Ontario, Canada.

EFSEAFF, M., "Validation of a Novel General Cavity Theory Formalism", (M. MacPherson), October 2021, Radiation Safety Officer at Best Theratronics, Ottawa, Ontario Canada.

GALLACHER, D., "Commissioning and Calibration of a Small-Scale Modular Liquid Argon Detector, Argon-1, for Novel Studies in Background Rejection Techniques Towards Next-Generation Dark Matter Detectors", (M. Boulay), October 2021, PhD Candidate at McGill University, Montreal, Quebec, Canada.

KEESHAN, B., "Investigating Custodial Symmetry Violation in the Georgi-Machacek", (H. Logan), October 2021, Postdoctoral Fellow at bioMECHATRONICS Lab, Ottawa Ontario, Canada.

LIU, M., "Patient-Specific Planning Target Volume Margins for Liver Stereotactic Robotic Radiosurgery", (J. Cygler, E. Vandervoort), February 2021, Medical Physics Resident at the Ottawa Hospital, Ottawa, Ontario, Canada.

MAYOROV, K., "Postmastectomy radiation therapy for patients with tissue expanders", (E. Ali), February 2021, Data Analyst at Beaconsure, Toronto, Ontario, Canada.

MURTHA, N., "Reconstruction of a Radioactive Source Distribution using a Tomographic Spatial-unfolding Method with Compton Gamma Imager Measurements", (L. Sinclair), October 2021, Medical Physics Resident at Tom Baker Cancer Centre, Calgary, Alberta, Canada.

RETHMEIER, C., "Characterization of Alpha Decays and Detector Response and Search for 5.5 MeV Solar Axions in DEAP-3600", (K. Graham), October 2021, Postdoctoral Fellow at University of Alberta, Calgary, Alberta, Canada.

SMITH, P., "Beauty from Senselessness: Searching for Signals of Beyond the Standard Model Physics in a Complex World", (D. Stolarski), October 2021, searching for employment.

STAATS, E., "Electrical Characterization of Silicon Strip Sensors for the ATLAS ITk at the HL-LHC with Extended Investigations of Sensor Properties", (T. Koffas), February 2021, PhD candidate at Carleton University, Ottawa, Ontario, Canada.

DALHOUSIE UNIVERSITY

BUTEAU, S., "Applying Machine Learning Techniques to Lithium-ion Cell Research", (J. Dahn), May 2021, Research Scientist, Quantumscape.

FARRELL, S., "Developing computational models to understand aging", (A. Rutenberg), May 2022.

GAUTHIER, R., "Understanding and Preventing Lifetime Failure in Lithium-ion Batteries", (J. Dahn), October 2021, Postdoctoral Fellow, Dalhousie University, Halifax, NS, Canada.

HENRY, C., "The Development of a CT-based Framework for Radiation Dosimetry in Yttrium-90 Transarterial Radioembolization", (A. Syme, G. Mawko), May 2022, Postdoctoral Fellow, University of Texas, Houston, Texas, USA.

HUPMAN, A., "Development of a Novel Radiation Dosimeter: The Stemless Plastic Scintillation Detector", (A. Syme, I. Hill), October 2021, Medical Physics Resident, Sunnybrook Hospital, Toronto, ON, Canada.

LOULI, A., "Developing Anode-Free Lithium Metal Cells with Liquid Electrolytes", (J. Dahn), October 2021, Research Engineer, Volkswagen, San Jose, California, USA.

SADEGHI, P., "Development and evaluation of a novel technology for monitoring patient motion during stereotactic radiotherapy", (J. Robar), October 2021, Medical Physics Resident, Princess Margaret Hospital, Toronto, ON, Canada.

POLYTECHNIQUE MONTRÉAL

ALLARD, C., « Étude sur la synthèse et les propriétés optique de nanohybrides composés de nanotubes et de colorants organiques encapsulés », (P. Desjardins, R. Martel), December 2021, searching for employment.

CAO, Yang, "Additive Manufacturing of Terahertz Waveguide Components for THz Sensing and Communication", (M. Skorobogatiy), December 2021, searching for a Postdoctoral Fellowship in North American or Japan.

DAOUST, P., « Étude des propriétés physiques d'alliages de nitrure d'aluminium et de nitrure de terre rares », (P. Desjardins, R. Masut), August 2021, searching for employment.

GOUDA, A., "Biosourced Quinone-Based Molecular Materials for Electrochemical Energy Storage", (C. Santato), July 2021, Postdoctoral Fellow at University of Toronto, Toronto, Ontario, Canada.

HERRERA JIMENEZ, E., "Effect of growth conditions and surface treatment on the performance of protective coatings on aircraft engine components", (J.-E. Japieha, L. Martinu), February 2021, Postdoctoral Fellow at École de technologie supérieure (ETS), Montréal, Québec, Canada.

MORIN, A., « Fort couplage photon-magnon d'échantillons ferromagnétiques dans des cavités hyperfréquences : application aux réseaux de nanofils ferromagnétiques », (D. Ménard), December 2020, searching for employment.

REALI, Manuel, "Eumelanin for Organic Electronics: Film Formation and Transport Physics", (C. Santato, F. Cicoira), December 2021, Postdoctoral Fellow at Polytechnique Montreal, Montreal, Quebec, Canada.

SRIDHARAN, A., "A Study of In-Plane Charge Carrier Diffusion and Photon Recycling in Hybrid Organic-Inorganic Perovskites", (S. Kéna-Cohen), July 2021, Ingénieur de test en Antennes (RF) at MDA, Montréal, Québec, Canada.

QUEEN'S UNIVERSITY

BHOONAH, A., "On the origin, dynamics and detection of superheavy, ultralight, and composite dark matter", (J.A. Bramante), November 2021, Postdoctoral Researcher at Colorado State University, Fort Collins, CO, United States.

CARLSON, C., "Theory and Simulation Techniques of Broadband Light-Matter Interactions in Nanophotonics", (S. Hughes), November 2021, Bachelor of Education student at Lakehead University, Thunder Bay, ON, Canada.

GHAITH, M., "Development of Low-Energy Calibration Techniques for SuperCDMS using LEDs Operated Cryogenic Temperatures", (W. Rau), June 2021, Senior Instructor of Physics at Abu Dhabi University, Abu Dhabi, United Arab Emirates.

GROOME, R., "Experimental speed distribution measurements and NHC self-assembly on Au(111)", (A.B. McLean), June 2021, Canadian Bank Note, Ottawa, ON, Canada.

KARUNAKARAN, A., "Characterizing Dwarf and Diffuse Galaxy Populations in the Local Universe", (K. Spekkens), November 2021, Postdoctoral Researcher at the Instituto de Astrofísica de Andalucía (IAA-CSIC), Granada, Spain.

LAM, I., "Search for Invisible Nucleon Decay in SNO+ with Improved Sensitivity", (A.J. Wright), June 2021, Postdoctoral Researcher at Carleton University, Ottawa, ON, Canada.

VIDAL, M., "Quenching factor measurement of neon nuclei in neon gas and study of the feasibility of detecting coherent elastic neutrino-nucleus scattering at a nuclear reactor using a spherical proportional counter", (R.D. Martin, G. Gerbier), November 2021, Postdoctoral Researcher at Stanford University, Stanford, CA, United States.

ROYAL MILITARY COLLEGE OF CANADA

LEIBOLD, J., "Advanced Nanofabrication and Sensing Using Interference Lithography", (G. Sabat), May 2021, Military Faculty, Department of Physics and Space Science, RMC.

SAINT MARY'S UNIVERSITY

GONZALEZ, A., "Probing high-velocity outflows in active galactic nuclei and their relationship to the inner disc environment with X-ray observations", (L. Gallo), September 2021, Postdoctoral Fellow at Saint Mary's University, Halifax, Nova Scotia, Canada.

SIMON FRASER UNIVERSITY

DREYER, E., "The search for new high-mass resonances in the dilepton final state using the full Run-2 ATLAS dataset of 13 TeV proton-proton collisions", (B. Stelzer), October 2021, searching for employment.

JINDAL, L., "Mechanisms for directed transport and organization at subcellular scales", (E. Emberly), June 2021, Data Scientist at Tripstack, Toronto, ON, Canada.

KOROSEC, C., "Modelling and engineering artificial burnt-bridge ratchet molecular motors", (N. Forde), June 2021, NSERC Postdoctoral Fellow at York University, Dept. of Math and Stats, Toronto, ON, Canada.

KUMAR, A., "Anomalous relaxation in colloidal systems", (J. Bechhoefer), June 2021, Postdoctoral Associate in the Cell Biology Department at Yale School of Medicine, New Haven, Connecticut, USA.

LARGE, S., "Dissipation and control in microscopic nonequilibrium systems", (D. Sivak), June 2021, Data Scientist at Viewpoint Investment Partners, Calgary, Alberta, Canada.

LEE-HONE, N., "Spectroscopy and phenomenology of unconventional superconductors", (D. Broun), June 2021, searching for employment.

MCKINNON, T., "Study of Magnetic Interlayer Coupling in Synthetic Antiferromagnets for use in MRAM Devices", (E. Girt), June 2021, Software engineer at Flow Labs, Oakland, California, USA.

OMELCHENKO, P., "Spin Current Propagation in Metallic Heterostructure: Pt, Pt/Au and Ta", (E. Girt, B. Heinrich), June 2021, searching for employment.

SCHIBLI, E., "Nanostructure and ion dynamics of novel ionenes via scattering and simulation", (B. Frisken), June 2021, Data Scientist at Canfor, Vancouver, BC, Canada.

WANG, Y., "Correlated Percolation in the Fracture Dynamics on a Network of Ionomer Bundles", (M. Kennett), June 2021, searching for employment.

YANG, A., "Investigation of core-shell nanowires via electron-beam-induced current", (K. Kavanagh), June 2021, searching for employment.

TORONTO METROPOLITAN UNIVERSITY

SHAAER, A., "Improving Accuracy of Interstitial HDR Brachytherapy Through MRI-based Targeted Innovations", (A. Ravi, C. Kumaradas), June 2021, Medical Physics Resident at Grand River Hospital, Kitchener, ON, Canada.

VAN DELINDER, K., "Particle Neutron Gamma-X Detection (PNGXD)", (J. Grafe), June 2021, Medical Physics Resident, Juravinski Cancer Centre, Hamilton, ON, Canada.

WANG, Y., "The Development of Theranostic Agents for Photoacoustic Detection and Laser-Activated Anti-HER Breast Cancer Therapy", (M. Kolios), October 2021, searching for employment.

ZALEV, J., "3D Opto-Acoustic Image Reconstruction and Motion Tracking Using Convex Optimization Algorithms", (M. Kolios), June 2021, Computational Imaging Physicist/Consultant at OA Signal Technologies Inc., Toronto, ON, Canada.

TRENT UNIVERSITY

COLE, R., "Frequency-time and Polarization Considerations in Spectral-focusing-based CARS Microscopy", (A. Slepko), September 2021, Instructor at Trent University, Peterborough, Ontario, Canada.

UNIVERSITÉ DE MONTRÉAL

BERGERON, G., « Applications des structures algébriques associées aux systèmes intégrables », (L. Vinet), octobre 2021, Research and Development Scientist at NXTSENS, Montreal, Quebec, Canada.

FINES-NEUSCHILD, M., « La dualité ethnographe-physicienne : Étude réflexive sur les négociations identitaires en physique », (L. Heaton, D. London), octobre 2021, postdoctorante en EDI (équité, diversité et inclusion) en STIM (Sciences, technologie, ingénierie et mathématiques), Université Concordia, Montréal, Québec, Canada.

MYRONOVA, M., "Applications of finite reflection groups in Fourier analysis and symmetry breaking of polytopes", (J. Patera), July 2021, Postdoctorante en vision par ordinateur (infographie) au département d'informatique, Université de Montréal, Montréal, Québec, Canada.

NAJAFI, F., « Étude de la violation CP dans des processus au LHC qui brisent la conservation du nombre leptonique », (R. MacKenzie, D. London), juillet 2021, searching for employment.

ROBERT BIGRAS, G., « Modification de films de graphène dans la post-décharge en flux de plasmas micro-ondes d'azote à pression réduite », (L. Stafford), mars 2021, Computer Vision Specialist at General Electric Aviation, Bromont, Québec, Canada.

SIMARD, M., « Étude de la tomodesitométrie spectrale quantitative et ses applications en radiothérapie », (H. Bouchard), mars 2021, Posdoctoral Fellow at University College London, London, United Kingdom.

VINCHON, P., « Étude fondamentale des interactions plasma-graphène dans les plasmas Argon/B₂H₆ », (L. Stafford), mars 2021, Conseiller à la recherche, Université de Montréal, Laboratoire René-J.-A.-Lévesque, Montréal, Québec, Canada.

UNIVERSITÉ DE SHERBOOKE

BERTRAND, S., « Génération et détection de la polarisation de vallée optique dans les semimétaux de Weyl », (I. Garate, R. Côté), août 2020, Expert en mégadonnées, CGI, Sherbrooke, QC, Canada.

BOURGEOIS-HOPE, P., « La conductivité thermique comme sonde pour les états exotiques des matériaux quantiques », (L. Taillefer), mai 2021, Professionnel, Teledyne Dalsa, Bromont, QC, Canada.

BUREAU-OXTON, C., « Contrôle et caractérisation d'un qubit singulet-triplet entraîné par l'interaction spin-orbitre dans le silicium / Control and characterization of a spin-orbit-driven singlet-triplet qubit in silicon », (M. Pioro-Ladrière), juin 2021, Postdoctorante, École polytechnique fédérale de Zurich, Zurich, Suisse.

DI PAOLO, A., « Qubits supraconducteurs protégés basés sur des modes à haute impédance / Noise-protected superconducting qubits based on high-impedance modes », (A. Blais), juin/June 2020, Postdoctoral Fellow, MIT, Cambridge, MA, US.

GIROD, C., « Chaleur spécifique à basse température dans l'état normal des cuprates supraconducteurs », (L. Taillefer, T. Klein), janvier 2021, Postdoctorant, Laboratoire National de Los Alamos, Los Alamos, NM, États-Unis.

HARDY, G., « Etudes des effets de proximité dans les hétérostructures de Pr_{2-x}CexCuO₄ et le LaFeO₃ », (P. Fournier), septembre 2020, Postdoctorant, Institut quantique (UdeS), Sherbrooke, QC, Canada.

JUBGANG FANDIO, D.J., « Etude des propriétés électroniques et de la dynamique des charges dans diverses nanostructures semi-conductrices par la spectroscopie térahertz », (D. Morris), août 2021, Postdoctorant, Université d'Ottawa, Ottawa, ON, Canada.

KRISHNA, A., « Portes tolérantes aux fautes pour les codes produits d'hypergraphes / Fault-tolerant gates on hypergraph product codes », Postdoctoral Fellow, Stanford University, Stanford, CA, US.

PRÉMONT-FOLEY, A., « Réseaux de tenseurs et solveurs d'impureté pour la théorie du champ moyen dynamique », (D. Sénéchal), juillet 2020, Stagiaire postdoctoral, Université de Sherbrooke, Sherbrooke, QC, Canada.

ROCHETTE, S., « Accélérer la mise à l'échelle des processeurs quantiques avec les boîtes quantiques à grilles », (M. Pioro-Ladrière), septembre 2020, Coordonnatrice, Institut quantique (UdeS), Sherbrooke, QC, Canada.

SIMONEAU, J.O., « Mesures temporelles large bande résolues en phase du bruit de grenaille photoexcité et statistique de photons d'un amplificateur paramétrique Josephson », (B. Reulet), janvier 2021, Physicien, Nord Quantique, Sherbrooke, QC, Canada.

THIBAUT, K., « Effets de rétroaction du bruit dans un circuit électrique », (B. Reulet), janvier 2020, Coordonnateur, Institut quantique (UdeS), Sherbrooke, QC, Canada.

UNIVERSITY OF BRITISH COLUMBIA

ABOUEI, Elham, "Optimization of multimodal OCT for early cancer detection and diagnosis", (C. MacAulay), searching for employment.

ASHTON, Edward, "The Search for Jovian and Saturnian Irregular Moons and a Study of Their Luminosity Functions", (B. Gladman), November 2021, Postdoctoral Fellow at the Academia Sinica Institute of Astronomy and Astrophysics in Taipei, Taiwan.

DEHN, Martin, "Charge-neutral muon centers in magnetic and non-magnetic materials: implications and applications", (R.F. Keifl), November 2021, searching for employment.

DENG, Meiling, "Antenna Array Design, Beam Calibration of the CHIME to Measure the Late-time Cosmic Acceleration and Mapping of the North Celestial Cap", (M. Halpern), May 2021, Postdoctoral Fellow at the Dominion Astrophysical Observatory, DRAO.

EVETTS, Nathan, "Solid-state nuclear magnetic resonance magnetometry at low temperature with application to antimatter gravity experiments by ALPHA", (C. Michal), May 2021, Postdoctoral Fellow at ABQMR, Albuquerque, New Mexico, USA.

FUJIMOTO, Derek, "The Interfacial Dynamics of Amorphous Materials as Revealed by Beta-NMR Measurements and Molecular Simulations", (R. Keifl), Postdoctoral Fellow at TUCAN (TRIUMF Ultra Cold Advanced Neutron source), Vancouver, B.C.

GALLINA, Giacomo, "Development of a single vacuum ultra-violet photon-sensing solution for nEXO", (R. Kruecken, F. Retiere), May 2021, Postdoctoral Researcher, Princeton University, Princeton, USA.

GE, Shuailiang, "Axion Quark Nugget Dark Matter Model: Developments in Model Building and Observations", (A. Zhitnitsky), November 2021, Postdoctoral Researcher at Peking University, Beijing, China.

GOOD, Deborah, "Timing Pulsars and Detecting Radio Transients with CHIME", (I. Stairs), November 2021, Postdoctoral Fellow and Research Associate at University of Connecticut, Storrs, Connecticut, USA and Flatiron Institute Center for Computational Astrophysics, New York, New York, USA.

HUGHES, Anna, "The Space Weather of Ultracool Dwarfs", (A. Boley), November 2021, Quantum Software Engineer at Agnostiq.

KABERNIK, Oleg, "Reductions in finite-dimensional quantum mechanics: from symmetries to operator algebras and beyond", (R. Raussendorf), May 2021, Algorithm Developer, Rafael Advanced Defense Systems, Haifa, Israel.

KHODA, Elham, "Searches for new high-mass resonances in top-antitop and di-electron final states using the ATLAS detector", (A. Lister), May 2021, Postdoctoral Scholar Department of Physics, University of Washington, Seattle, WA, USA.

LANTAGNE-HURTUBISE, Etienne, "Holographic quantum matter: toy models and physical platforms", (M. Franz), November 2021, Postdoctoral Fellow at the California Institute of Technology (Caltech), Pasadena, California, USA.

LI, Chengshu, "Low-dimensional quantum systems from novel constituents", (M. Franz), November 2021, Postdoctoral Fellow at Tsinghua University, Beijing, China.

MASSEY-ALLARD, Jonathan, "Learning physics with interactive simulations: inductive inquiry learning activities for an introductory electromagnetism course", (D. Bonn), November 2021, searching for employment.

MAY, Alex, "Quantum tasks in holography", (M. Van Raamsdonk), November 2021, Postdoctoral Fellow at Stanford University, Palo Alto, California, USA.

QU, Chen Ge, "Atomic modification of graphene on silicon carbide: adsorption and intercalation", (A. Damascelli, S. Burke), November 2021, Test Engineer at Scienta Omicron, Taunusstein, Hesse, Germany.

ROBERTSON, Andrew, "Nuclide Production and Imaging Applications of ^{225}Ac for Targeted Alpha Therapy", (V. Sossi, P. Schaffer), May 2021, Medical Physics Resident at BC Cancer, Vancouver, BC, Canada.

SHIRMOHAMMAD, Maryam, "New Raman scattering enhancement methods with potential for improving the detection of breath VOCs", (H. Zeng), May 2021, Medical Physics Resident at the University of Michigan, Ann Arbor, MI, United States of America.

SONIER, Marcus, "Adaptive Radiotherapy Treatment Corrections to Account for Patient-Specific Systematic Soft Tissue Deformations: Prostate, Lung, and Head & Neck Cancer", (R. Ramaseshan, S. Reinsberg), May 2021, Medical Physicist at BC Cancer - Abbotsford, Abbotsford, BC, Canada.

STUART, B., "Scanning tunnelling microscopy of topological materials", (S. Burke, D. Bonn), June 2021, Cardiac Mapping Engineer at Kardium, Burnaby, BC, Canada.

WAMER, Kyle, "Generalization of the Haldane conjecture to $SU(n)$ chains", (I. Affleck), June 2021, Quantitative Researcher at NumerixS Quant in Vancouver, BC, Canada.

WILSON-GEROW, J., "A Study of the Quantum-to-Classical Transition in Gravity, and a Study of the Consequences of Constraints in Gauge Theory Path-Integrals", (P. Stamp), searching for employment.

WONG, V., "New physics hunt at the Large Hadron Collider with the ATLAS detector: search for heavy exotic resonances and upgrade of the Transition Radiation Tracker DAQ system", (C. Gay), November 2021, Postdoctoral Researcher at TRIUMF, Vancouver, BC, Canada.

YAN, Z., "Probing the universe with multiple large-scale structure tracers", (G. Hinshaw, L. van Waerbeke), November 2021, Postdoctoral Fellow at Ruhr-University Bochum, Bochum, North Rhine-Westphalia, Germany.

YANG, F., "Topological quantum phase transitions and topological quantum criticality in superfluids and superconductors", (F. Zhou), November 2021, Postdoctoral Fellow at the Institute of Advanced Studies, Tsinghua University, Beijing China.

UNIVERSITY OF CALGARY

EVANS, A., "Laser cooling of Antihydrogen", (R. Thompson), May 2022, searching for employment.

GHAFFARI, R., "Characterizing Energetic Electron Precipitation and Whistler-mode Waves during Electron Injection Events", (C. Cully), May 2022, Postdoctoral Fellow at University of Calgary, Calgary, AB, Canada.

GOSWAMI, S., "Photonic quantum technologies: non-destructive photon detection and quantum simulation in solid-state systems", (C. Simon), May 2022, searching for employment.

KUZNETSOVA, S., "Exploring the Role of GD-EOB-DTPA (PRIMOVI[®]) MRI in Liver Stereotactic Body Radiation Therapy Accuracy", (N. Ploquin), November 2021, Medical Physics Resident at the University of California San Diego, San Diego, CA, USA.

LEFEBVRE, P., "From bipartite to multipartite entanglement", (D. Oblak), May 2022, Postdoctoral Fellow at Paris Center for Quantum Computing, Sorbonne University, Paris, France.

WEIN, S., "Modelling Markovian light-matter interactions for quantum optical devices in the solid state", (C. Simon), November 2021, Postdoctoral Fellow at Institut Neel, Grenoble, France.

ZARKESHIAN, P., "Photonic approaches to multi-party entanglement in solids and learning in the brain", (C. Simon), May 2022, Mitacs Postdoctoral Fellow at 1Qbit, Vancouver, Canada.

UNIVERSITY OF GUELPH

BAYLIS, B., "Morphology and Mechanical Stiffness of Soft Phytoglycogen Nanoparticles Revealed by AFM Force Spectroscopy", (J. Dutcher), October 2021, Postdoctoral Fellow, University of Guelph, Guelph, ON, Canada.

MACLEAN, A., "Spectroscopy of ^{188}Hg Following the β^+/EC Decay of $^{188,188\text{m}}\text{Tl}$ ", (C. Svensson), October 2021, Analytical Analyst I, The Co-operators, Guelph, ON, Canada.

MUNRO, R., "Biosynthetic isotopic labelling strategies for the production of membrane proteins for solid-state Nuclear Magnetic Resonance", (L. Brown), February 2021, Customer Success Scientist, Nicoya, Kitchener, ON, Canada.

NELSON, M., "Hybrid Quantum Systems: Complementarity of Quantum Privacy and Error-Correction, and Higher Rank Matricial", (D. Kribs, B. Zeng), June 2021, Postdoctoral Fellow, University of Illinois at Urbana-Champaign, Champaign, IL, USA.

SIMMONS, J., "Small Angle Neutron Scattering Studies of Native and Chemically Modified Phytoglycogen Nanoparticles", (J. Dutcher), June 2021, BI R&I Analyst I, The Co-operators, Guelph, ON, Canada.

UNIVERSITY OF MANITOBA

GOICOECHEA, A., "Anderson Localization of Ultrasound in Disordered Anisotropic Media", (J.H. Page), February 2021, searching for employment.

UNIVERSITY OF OTTAWA / UNIVERSITÉ D'OTTAWA

ABDOLGHADER, P., "Coherent Nonlinear Raman microscopy and the applications of deep learning & pattern recognition methods to the extraction of quantitative information", (A. Stollow), November 2021, Research and Development Scientist at few-cycle Inc., Varennes, Québec.

BEATTIE, M., "Semiconductor Materials and Devices for High Efficiency Broadband and Monochromatic Photovoltaic Energy Conversion", (K. Hinzer), October 2021, Postdoctoral Fellow at University of Ottawa, Ottawa, ON, Canada.

BRITTON, M., "Isolating the gain in the nitrogen molecular cation", (P. Corkum), December 2020, Postdoctoral Fellow at Stanford University.

HAJEBIFARD, A., "PLASMONIC Nano-Resonators and Fano Resonances for Sensing Applications", (P. Berini), March 2021, on maternity leave.

MOHAMMED, A., "Experimental and theoretical investigations of magnetic, electronic structure, and hyperfine interaction properties of new Fe-based superconductors and EuFeAs_2 ", (Z. Stadnik), March 2021, Assistant Professor, National University of Defense Technology, Xian campus, China.

POWANWE, Sadrak Arthur, "Brain Rhythm Fluctuations: Envelope-Phase Modeling and Phase Synchronization", (A. Longtin), June 2021, Postdoctoral Fellow with Dr. Adam Sachs (Ottawa Health RI) and A. Longtin.

QIAO, L., "Theoretical Study of Voltage-driven Capture and Translocation Through a Nanopore: From Particles to Long Flexible Polymers", (G. Slater), June 2021, Postdoctoral Fellow at Johannes Gutenberg University, Mainz, Germany.

RAHIMIANGOLKANDANI, M., "Interaction of Structured Femtosecond Light Pulses with Matter", (R. Bhardwaj), October 2021, Postdoctoral Fellow at University of Ottawa, Ottawa, ON, Canada.

VANUS, Benoit Yvon E., "All-optical signal processing using the Kerr effect for fiber-based sensors", (X. Bao), January 2021, Engineer at Optiwave, Ottawa, Canada.

ZHOU, Z., "Characteristic Study of Noise Reduction of Brillouin Random Fiber Lasers", (X. Bao), October 2021, Assistant Professor, National University of Defense Technology, Xian campus, China.

UNIVERSITY OF REGINA

COMTE, M., "An Investigation into Seeding the Solar System via Terrestrial Meteorites", (M. Beech), June 2021, searching for employment.

FODA, A., "Photoproduction of the $b_1(1235)$ Meson off the Proton at $E_{\text{gamma}} = 6\text{-}12$ GeV", (Z. Papandreou), June 2021, Postdoctoral Fellow at GSI, Germany.

UNIVERSITY OF SASKATCHEWAN

ADELEKE, A., "Structures, Structural Transformations and Properties of Selected Elemental and Extended Solids", (Y. Yao), May 2021, searching for employment.

ADENIYI, A., "First Principles Investigations of Novel Condensed Matter Materials", (Y. Yao), September 2021, Community Panel Analyst at Federated Cooperative Limited, Saskatoon, SK, Canada.

DeBOER, T., "Advancing the Characterization of Semi-conductors with Synchrotron Radiation", (A. Moewes), December 2020, Postdoctoral Fellow at University of Saskatchewan, Saskatoon, SK, Canada.

QAMAR, A., "Core-level Soft X-Ray Spectroscopy of PbO-based Photoconductors and Nano-Sheets of MoO₃", (A. Moewes), August 2021, instructor at Okanagan College, Okanagan, BC, Canada.

ZIELINSKI, J., "Temperature Gradient Driven Instabilities, Structure, and Transport in Magnetized Plasmas", (A. Smolyakov), September 2021, Postdoctoral Fellow at University of Alberta, Edmonton, AB, Canada.

UNIVERSITY OF TORONTO

ANDERSON, R.M.A., "Conductivity of ultracold fermions in an optical lattice", (J.H. Thywissen), June 2021, Waveguide Metrology Researcher, Google, Kitchener, ON, Canada.

BOGNAR, K., "Studies of stratospheric and tropospheric ozone, NO₂, and BrO using UV-visible spectroscopy in the arctic and at mid-latitudes", (K. Strong), June 2021, Postdoctoral Fellow at University of Saskatchewan, Saskatoon, SK, Canada.

BOUDJADA, N., "Symmetry-broken phases and transport in multiband systems", (A. Paramekanti), November 2021, Morgan Stanley, Montreal, QC, Canada.

BOURASSA, J., "Strategies for noisy photonic quantum technologies: quantum computation to quantum key distribution", (H.K. Lo), November 2021, Quantum Computing Researcher at Xanadu, Toronto, ON, Canada.

CASHA, A., "Higgs boson measurements in leptonic final states with the ATLAS detector at the Large Hadron Collider", (R.S. Orr), November 2021, Postdoctoral Fellow at the European Organization for Nuclear Research (CERN), Toronto, ON, Canada.

CHERN, L.E., "Magnetic field induced phases in Kitaev magnets: A semiclassical analysis", (Y.B. Kim), November 2021, Postdoctoral Fellow at the Department of Physics, University of Cambridge, UK.

CHOI, W., "Quantum dynamics and topology of the Kitaev materials", (Y.B. Kim), November 2021, Postdoctoral Fellow at the Technical University of Munich, Germany.

CONKLIN, R., "Gravitational wave echoes: theory and application", (B. Holdom), November 2021, Research Scientist at Amazon, Toronto, ON, Canada.

DE BENEDETTI, M.R., "The decorrelation length and time scale diagnostic tools to visualize spatial and temporal variability in geophysical fields", (G.W.K. Moore), June 2021, Manager, Biostatistics, Bristol Myers Squibb (BMS), Berkeley Heights, NJ, USA.

FERNANDES, D., "Mapping the conformational landscape & spatial organization of G protein-coupled receptors using single-molecule fluorescence", (C.C. Gradinaru), June 2021, pursuing a Master of Biotechnology, University of Toronto, Toronto, ON, Canada.

GOLDBERG, A.Z., "Disquisitions on quantum-enhanced polarimetry", (D.F.V. James), June 2021, Research Associate at National Research Council Canada, Canada.

LANGEMEYER, S.M., "The feedback between core heat flux, compositional heterogeneity, and the dynamics of a rheologically obtained plate-like surface in numerical mantle convection models", (J.P. Lowman), June 2021, Lecturer, University of Toronto, Scarborough, ON, Canada.

LI, D., "Radio propagation effects and coherent sources", (U.-L. Pen), June 2021, Sherman Fairchild Postdoctoral Scholar Research Associate in Astronomy at California Institute of Technology, California, USA.

MAHON, P.T., "Theory of electronic response to electromagnetic fields in crystalline solids", (J.E. Sipe), November 2021, Postdoctoral Fellow at the University of Texas at Austin, Texas, USA.

OJEDA, M.L., "Measurement of Higgs couplings to top quarks and τ leptons with the ATLAS detector", (P. Savard), November 2021, Postdoctoral Fellow at DESY laboratory, Hamburg, Germany.

PATRI, A.S., "Exotic phenomena emerging from localized multipolar degrees of freedom", (Y.B. Kim), November 2021, Postdoctoral Fellow at Massachusetts Institute of Technology, Cambridge, MA, USA.

ROCHE, S., "Measurements of greenhouse gases from near-infrared solar absorption spectra", (K. Strong), November 2021, Postdoctoral Fellow at Harvard University, Cambridge, MA, USA.

SINCLAIR, J., "Weakly measuring the time an unscattered photon causes atoms to spend in the excited state", (A.M. Steinberg), March 2021, Postdoctoral Fellow at Massachusetts Institute of Technology, Cambridge, MA, USA.

SMALE, S.D., "Observation of a transition between dynamical phases in a harmonically trapped degenerate Fermi gas", (J.H. Thywissen), November 2021, Postdoctoral Fellow at Department of Physics, University of Toronto, Toronto, ON, Canada.

SORN, S., "Topology and magnetism in quantum materials", (A. Paramekanti), November 2021, Postdoctoral Fellow at the Karlsruhe Institute of Technology, Germany.

STAVROPOULOS, P.P., "Emergent phenomena in correlated materials with strong spin-orbit coupling", (H.-Y. Kee), November 2021, Postdoctoral Fellow at University of Minnesota, MN, USA.

YAMANOUCHI, S., "Long-term analysis of Toronto-area atmospheric composition", (K. Strong), June 2021, Postdoctoral Fellow at University of Toronto, Department of Civil and Mineral Engineering, Toronto, ON, Canada.

YUAN, B., "Neutron scattering study of magnetic excitations in quantum magnets Bi_2CuO_4 and CoTiO_3 ", (Y.J. Kim), November 2021, Postdoctoral Fellow at Max Planck Institute, Hamburg, Germany.

UNIVERSITY OF VICTORIA

CHEN, M., "Mass Assembly in Star Formation via Interstellar Filaments", (J. Di Francesco, J. Willis), May 2021, Postdoctoral Fellow at Queen's University, Kingston, Ontario, Canada.

CLARKSON, O., "The First Stars and the Convective-Reactive Regime", (F. Herwig), May 2021, searching for employment.

GHASEMI BOSTANABAD, M., "Search for supersymmetry in final states with multiple bottom quarks with the ATLAS detector", (J. Albert), October 2021, Postdoctoral Fellow at the Institute for Research in Fundamental Sciences, at Tehran, Iran.

KIELTY, C., "Chemo-dynamics of Newly Discovered Metal-Poor Stars and Improved Spectroscopic Tools", (K. Venn), May 2021, Research Assistant for Substance, UVic/community-based drug testing program, Victoria, BC, Canada.

LINDSAY, C., "Simulation of the TRIUMF Proton Therapy Facility for Applications to 3D Printing in Radiotherapy", (C. Hoehr, A. Jirasek), May 2021, Postdoctoral Researcher at the British Columbia Cancer Agency, Vancouver, BC, Canada.

MCLEAN, K., "Search for dark matter produced in association with a Z boson in the ATLAS detector at the LHC", (M. Lefebvre), May 2021, now working for BC provincial government, Victoria, BC, Canada.

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BAKER, M., "Field theories from physical requirements: Noether's first theorem, energy-momentum tensors and the question of uniqueness", (D.G.C. McKeon, S. Kuzmin), October 2021, Assistant Professor in the Department of Physics at St. Francis Xavier University, NS, Canada.