

Students & Early-Career Researchers Talks

Wed, Jul 5 -- Condensed Matter & Plasma Physics			
13.30 -- 13.42	Kaylee Biggart	University of Waterloo	A quest to build high precision and durable capacitive thermometers for use in low temperature thermal Hall measurements
13.42 -- 13.54	Christina Balanduk	University of Manitoba	Design and development of a 3D printed mini terahertz spectrometer
13.54 -- 14.06	Tahreem Yousaf	University of Saskatchewan	Helium Ion Implantation Studies of Tungsten and Tungsten Alloys for Fusion Plasma-Facing Components
14.06 -- 14.18	Nasrin Azari	Simon Fraser University	μ + Knight Shift Measurements of UTe ₂ : Evidence for Kondo Liquid Emergence and Relocalization
14.18 -- 14.30	Ying Yang	University of Manitoba	Creating BIC via long-distance coherently coupled cavity magnonics
Wed, Jul 5 -- Medical Physics / Biophysics			
13.30 -- 13.42	Nisha Agarwal	University of Ontario Institute of Technology	Spectral recognition of complex biomolecules by studying their interaction with noble metal nanoparticles
13.42 -- 13.54	Melissa Anderson	University of Manitoba	Mousebed and Anaesthetic Delivery System for In Vivo MRI
13.54 -- 14.06	Cassandra Miller	University of British Columbia	The impact of tumour size and phenotype on dose rates of Lu-177 and Ac-225 in tumour cells using computational modelling of tumour growth
14.06 -- 14.18	Emma Friesen	University of Winnipeg	Measuring Axon Diameters within the Mouse Corpus Callosum using Oscillating Gradient Spin Echo MRI Sequences
Poster Flash Talk			
14.23 -- 14.24	Olivia Moluchi	University of Waterloo	Bare spherical gel dosimeter with optical computed tomography scanning
Thu, Jul 6 -- EDI / Physics Education			
11.30 -- 11.42	Kyla Smith	University of Oxford	What is out-of-field teaching and why does it matter for physics?
11.42 -- 11.54	Samantha Lange	University of Waterloo	Exploring the Equity, Diversity and Inclusion (EDI) Climate in the University of Waterloo's Department of Physics and Astronomy and its Impact on Student Retention
11.54 -- 12.06	Solmaz Khodaeifaal	Simon Fraser University	Students' Video Recordings: A Means to Assess Physics Learning and Improve Girls' Self-confidence and Willingness to Participate in This Subject
Poster Flash Talk			
12.08 -- 12.09	Liz Cunningham	University of Toronto	Towards More Inclusive Scientific Meetings and Conferences: An Implementation Guide
Thu, Jul 6 -- Astronomy / Astrophysics			
13.30 -- 13.42	Solveig Thompson	University of Calgary	Searching for Intermediate Mass black holes using the James Webb Space Telescope
13.42 -- 13.54	Labani Mallick	California Institute of Technology	Detection Advancement and Variability Modeling of Ultra-Fast Outflows (UFOs) to Constrain AGN Feedback Mechanisms
13.54 -- 14.06	Batia Friedman-Shaw	Perimeter Institute, University of Waterloo	Impact of Peculiar Velocities on the Relativistic Dipole Moment
14.06 -- 14.18	Rebecca Booth	University of Calgary	Revealing the three-dimensional structure of the Galactic magnetic field with the GMIMS Low-Band North survey
14.18 -- 14.30	Anousha Greiveldinger	University of Notre Dame	A Surprising Periodicity Detected During a Superoutburst of V844 Herculis by TESS
14.30 -- 14.42	Delica Leboe-McGowan	University of Manitoba	PythonMHD: A New Code for High-Speed Astrophysical MHD Simulations in Python
Poster Flash Talk			
14.45 -- 14.46	Kyle Wittmeier	University of Winnipeg	Assessing Early Universe Models for Primordial Black Holes as Dark Matter
14.46 -- 14.47	Jiayue Yang	University of Waterloo	Black Hole Phase Transitions Near Quadruple Points
14.47 -- 14.48	Evelyn Macdonald	University of Toronto	Water vapour transit ambiguities for tidally locked rocky planets
14.48 -- 14.49	Tabassom Madayen	University of Toronto	Discovery and Classification of HD 165401Ab White Dwarf
14.49 -- 14.50	Yunting Wang	University of British Columbia	How to Count Clustered Galaxies
Thu, Jul 6 -- Subatomic Physics			
13.30 -- 13.42	Portia Switzer	University of Winnipeg, University of Regina	Probing Quantum Chromodynamics through Beam Spin Asymmetry
13.42 -- 13.54	Defne Tanyer	TRIUMF	ML-Driven Tuning of OLIS Beamline

13.54 -- 14.06	Maedeh Lavaaf	University of Manitoba	Magnetically Shielded Room for the Neutron Electric Dipole Moment Experiment at TRIUMF
14.06 -- 14.18	Sakshi Kakkar	University of Manitoba	High-precision experimental nuclear physics with the upgraded TITAN Penning trap
14.18 -- 14.30	Miho Wakai	University of British Columbia	Dark matter searches at Belle II
14.30 -- 14.42	Fatemeh Gorhannejad	University of Manitoba	Optimizing the Pion Detector System to Improve Background Correction in the MOLLER Experiment
14.42 -- 14.54	Shefali Shefali	University of Manitoba	Cooling analysis of HVMAPS detector in MOLLER experiment and opportunities for women in physics
14:54 -- 15:06	Akshaya Vijay	University Of Manitoba	The Future Electron-Ion Collider
Poster Flash Talk			
15.08 -- 15.09	Chelsea-Lea Randall	Canadian Light Source Inc.	Using the Quadrupole Scan Technique to Measure the Beam Profile in the Booster-to-Storage Ring Transfer Line at the Canadian Light Source
15.09 -- 15.10	Amala Jaison	University of Manitoba	Magnetic resonance requirements and shim coil design for the TUCAN EDM experiment
15.10 -- 15.11	Tahereh Mohammadi	University of Manitoba	Atomic Magnetometers in Neutron Experiments
15.11 -- 15.12	Samin Majidi	McGill University	Designing a Calibration System for the nEXO Experiment's Outer Detector