

Graduate Student Positions in Quantum Condensed Matter Physics

The **Condensed Matter Theoretical Physics** research group of **Professor William Witczak-Krempa** (Canada Research Chair in Quantum Phase Transitions) at Université de Montréal is looking for talented students to join its team.

The group's theoretical research covers quantum materials (including unconventional superconductors, topological insulators & semimetals), quantum phase transitions, novel characterization using quantum information, quantum dynamics, and frustrated magnetism. We use cutting-edge field theory techniques, and numerical methods.

MSc and PhD positions are open. The salary is competitive.

More information about the research group: [WK Lab website](#)

Profile: The successful candidates must have a BSc or a MSc in theoretical physics and good knowledge about quantum many-body physics. Previous research experience in theoretical condensed matter physics is an asset.

To apply: Please provide by email to mathilde.girard.1@umontreal.ca :

- Curriculum Vitae
- Cover letter
- Transcript of last or current diploma
- At least 2 letters of recommendation (to be sent directly by your referees to the above email)

Deadline: December 16, 2021. Applications will be considered after this date in the event that the positions remain open.

About the University & the city: Université de Montréal is one of the major research institutions in Canada, and is located in the heart of the vibrant and multicultural city of Montréal. The Physics Department is situated in the new science campus (the MIL), built in 2019. It is part of a large strategic cluster ([RQMP](#)) aimed at the discovery and study of cutting-edge materials. The cluster includes nearby institutions: McGill University, and Université de Sherbrooke.

Campus MIL: the new science campus built in 2019. This modern complex is located in the heart of the city.



The Université de Montréal is committed to employment equity and diversity and encourages applications from all qualified candidates, including women, people of any sexual orientation, gender identity, or gender expression; Indigenous peoples; visible minorities and racialized people; and people with disabilities.