

October 7, 2025

FACULTY OF SCIENCE

Dear High School Physics Teachers,

Dr. Tom Kirchner

Chair, Department of
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Each year, we hold an evening event where we invite local high school physics teachers to come to campus for dinner and talks. The goal is two-fold: First, it provides a chance for interaction and discussion amongst science educators. Second, it gives us an opportunity to showcase some of the cutting-edge physics research being done here at York. Such an opportunity is especially important for us, since we hope to attract your students to consider York for their university education.

The theme for this year's event will be *100 Years of Quantum*, on the occasion of the [International Year of Quantum Science and Technology](#). We are very excited to have two professors and one [doctoral student and Vanier Scholar](#) from the Department of Physics and Astronomy giving the following short talks on their research:

Dr. Marko Horbatsch – One Hundred Years of Quantum Mechanics: A Perspective from the Point of View of Collision Physics

Dr. Randy Lewis – Physics with Quantum Computers

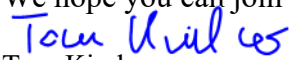
Coral Hillel – Unlocking the Mysteries of Molecular Photoswitches through Quantum Mechanical Simulation

Our department spans a broad range of scientific topics. Teachers interested in any areas of physics, astronomy and biophysics are very welcome to attend. The event will take place on **Wednesday November 5, 2025, in room 320 of Norman Bethune College (Paul A. Delaney Gallery)**. As in previous years, there will be a collection of books free for the taking. We will begin the evening at 5:30 pm and dinner will be served from 6:00 - 7:00 pm. During this time the presentations will be made. We will conclude the evening with dessert and an opportunity for high school teachers and physics professors to informally share and exchange ideas.

There will also be an opportunity to see our one-meter telescope – the largest telescope on any university campus in Canada, and a destination for FREE student tours of all ages: We will take you to the [Allan I. Carswell Astronomical Observatory](#) after dessert. **Please register on-line by October 29, 2025**, at the latest. To register, and for all logistical details, please consult the our [website](#) and [this link](#).

York's Keele campus is served by two stops on TTC subway line 1: the York University station and the Pioneer Village station. Parking is available on campus, and the Arboretum Lane Parking garage is very close to our venue. If you have questions about any aspect of this event, please contact us at phas@yorku.ca.

We hope you can join us and look forward to seeing you on November 5.


Tom Kirchner
Professor and Chair

