



6 September 2024

Dear High School Physics Teachers,

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 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.

FACULTY OF SCIENCE

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The theme for this year's event will be "Our Strange Universe: From the Smallest Particles to Alien Worlds". We are very excited to have three professors from the Department of Physics and Astronomy giving the following short talks on their research:

Dr. Paul Scholz – Fast Radio Bursts: What are they and where do they come from?

Dr. Charles-Edouard Boukaré – Rocky Planets Interiors: Structure, Dynamics, and Long-term Evolution.

Dr. Bruce Howard – Neutrinos: the story of these "little neutral" particles and where we're going

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 October 23, 2024, 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](#) for the chance to view (weather permitting) Saturn, the visual binary Albireo and (if possible) Comet C/2023 A3 Tsuchinshan. Participants will also be able to enjoy our famous observatory treasure hunt.

Please register on-line to reserve your spot for our teachers' evening by October 16, 2024, at the latest. To register, and for all logistical details, please consult the Department of Physics and Astronomy website at <https://forms.office.com/r/nmRQF5wrbz>.

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 sincerely hope you can join us and look forward to seeing you on October 23, 2024.

Professor Nikita Blinov
Department of Physics and Astronomy
On behalf of the Organizing Committee

