



Physics & Astronomy

128 Petrie Bldg.
4700 Keele St.
Toronto, Ontario
Canada M3J 1P3
416 736 5249
phas@yorku.ca

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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, drinks 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.

The theme for this year's event will be "**Understanding the universe and its most elusive particles**". We are very excited to have three professors from the Department of Physics and Astronomy giving the following short talks on their research:

Dr. Deborah Harris – Neutrinos: how the smallest particles can have the biggest impact

Dr. Nikita Blinov – Dark Matter and Where to Find it

Dr. Rahul Kannan – Building the Universe in a Computer

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 **Friday November 3, 2023**, 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 with hors d'oeuvres and drinks **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. Weather permitting, we will take you to the Allan I. Carswell Astronomical Observatory for the chance to view Jupiter (at opposition!) through the telescope. <https://www.yorku.ca/science/physics/outreach/observatory/>

Please register on-line to reserve your spot for our teachers' evening by October 27, 2023, at the latest. To register, and for all logistical details, please consult the Department of Physics and Astronomy website at

<http://www.yorku.ca/science/physics/outreach/high-school-teachers-night/>

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 November 3, 2023.

Professor Patrick Hall
Chair, Department of Physics and Astronomy
On behalf of the Organizing Committee