

EXPLORING THE DARK SIDE OF THE UNIVERSE

A workshop for high school physics teachers

Dates: Friday October 12th - Saturday October 13th

Location: SNOLAB, Sudbury Ontario

There is so much more to this universe than we can see! Nature still has many secrets for us to uncover. Join us for a day of exploring the mysteries of dark matter, dark energy, exoplanets, and subatomic physics!

This workshop will introduce several resources developed by Perimeter Institute to bring cutting-edge topics into the high school science classroom. The resources feature interactive activities that will engage students and connect standard curriculum to current topics at the forefront of research. It includes an optional tour of SNOLAB, Canada's deep underground laboratory for astroparticle physics.

Friday, October 12

- 8:30 - 9:00 Registration
- 9:00 - 10:15 Exoplanets (SNC1D and SPH4U)
- 10:15 - 10:30 Break
- 10:30 - 12:00 Dark Matter (SPH4U)
- 12:00 - 1:15 Lunch
- 1:15 - 2:30 Nuclear Binding Energy (SPH3U)
- 2:30 - 2:45 Break
- 2:45 - 4:00 Dark Energy (SPH3U)

Saturday, October 13

- 7:00 - 11:30 Tour of SNOLAB (optional)
- 12:30 - 2:00 Lunch and Learn

The workshops will be delivered in English but resources are also available in French. Ontario Teacher coverage is available upon request, but travel and accommodations are not provided. Spaces are limited so please register early to secure your place. This workshop is presented by Perimeter Institute and SNOLAB.

Register here: pitp.ca/SNOPI-workshop

