PSD MIXER SEPTEMBER 2023

: Friday, September 22, 2023

: 2:30pm

: via Zoom and in the Auditorium

: Pizza will be available in-person

: Kick back, relax, and have fun!

ZOOM

https://ubc.zoom.us/j/69276046494?pwd=bk5mVGhtNEh6U1NsVlg1WFRicXBaUT09

Meeting ID: 692 7604 6494
Passcode: 058715

BY PHONE

Join by Telephone - For higher quality, dial a number based on your current location.

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PLEASE KEEP YOUR MICS MUTED

"WHAT'S THE GIST, PHYSICIST?"

Join us for another afternoon of division updates, science, community, and good food!

Tentative Agenda:

- Division updates w/ Petr (~20 min)
- Q+A w/ Petr (~5 min)
- Cybersecurity Update from IS&T (~15 min)
- "Detecting Dark Matter on Earth," presented by Pietro Giampa (~20 min). Abstract on the following page!
- Pizza and pop!

REJOICE!

Physical Sciences now has a subscription mailing list! You can subscribe here to make sure you get all the email updates for the division!

“DETECTING DARK MATTER ON EARTH” – PIETRO GIAMPA

Understanding the nature of dark matter remains one of the most fundamental open questions in modern physics. Among a variety of experimental techniques, direct detection experiments search for evidence of dark matter particle scattering in low-threshold (sub-MeV), low- background terrestrial detectors. This endeavour has driven decades of new particle detector development at the low-energy frontier. In this talk we will present the status of the field, introduce a novel technique using liquid argon as the dark matter target, and discuss the outlook for new experimental strategies in the search for dark matter.