PSD MIXER JUNE 2022

: Friday, June 17, 2022

: 2:30pm

: via Zoom and in the Auditorium

: Join us in person if you're comfortable

: Turn on your camera if you're online (and if you're comfortable)

: Snacks will be available in-person

ZOOM

https://ubc.zoom.us/j/65636203176?pwd=Nk5ON2IvYVFoQWxFeGxFSEZDNzJtZz09

Meeting ID: 656 3620 3176
Passcode: 253960

BY PHONE

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

Dial Canada:
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PLEASE KEEP YOUR MICS MUTED

"WHAT'S THE GIST, PHYSICIST?"

Join us for another Friday afternoon of division updates, science, community, and snacks!

Tentative Agenda:

- Division updates w/ Petr (~10 min)
- Q+A w/ Petr (~5 min)
- IP Policy Backgrounder and Introduction to Guest Speaker, presented by Ann Fong (~3 min)
- IP Basics, presented by Roger A.C. Kuypers, FASKEN (~15 min)
- Q&A w/ Roger (~5 min)
- "DarkLight: Searching for new particles at TRIUMF," presented by Kate Pachal (~20 min). Abstract on the next page!
- Food and hang-out time!

We hope to see many of you there! As division communication continues to be a challenge, we encourage you to please check in with your colleagues if they received this invite. If they haven't, please reach out to Allayne (sciencediv@triumf.ca) to let her know!

“DARKLIGHT: SEARCHING FOR NEW PARTICLES AT TRIUMF” - PRESENTED BY KATE PACHAL

The search for a new boson, especially one that might be able to mediate interactions with a dark sector, is a project that brings together many experiments and spans an enormous range of possible boson masses. Recent anomalous experimental results have motivated extending that search to include a particular low-mass region and conducting the search using an electron accelerator. The DarkLight experiment will perform that search using the TRIUMF ARIEL e-linac. This talk will introduce the goals of the experiment, discuss how it will be done, and mention the potential future opportunities this could lead to for particle physics at the e-linac.