

# PSD MIXER APRIL 2022

: Friday, April 8, 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/66055017219?pwd=aVduRTYxWnovdVRUSFVXdFF4N1hPQT09>

Meeting ID: 660 5501 7219  
Passcode: 183432

## BY PHONE

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

Dial Canada:

+1 778 907 2071 (Vancouver)  
+1 647 374 4685 (Toronto)  
+1 647 375 2970 (Toronto)  
+1 647 375 2971 (Toronto)  
+1 204 272 7920 (Manitoba)  
+1 438 809 7799 (Montreal)  
+1 587 328 1099 (Alberta)  
+1 613 209 3054 (Ottawa)

PLEASE KEEP YOUR MICS  
MUTED

## "WHAT'S THE GIST, PHYSICIST?"

Join us for another Friday afternoon of division updates, science, community, and some food on us!

### Tentative Agenda:

- Division updates w/ Petr (~10 min)
- Q+A w/ Petr (~5 min)
- Farewell and Q+A w/ Reiner (~20 min)
- Science Talk w/ Chris Griffin:  
"Understanding Nuclear Decay Modes – From the Lab to Supernovae" (~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](mailto:sciencediv@triumf.ca)) to let her know!



## “UNDERSTANDING NUCLEAR DECAY MODES – FROM THE LAB TO SUPERNOVAE” – PRESENTED BY CHRIS GRIFFIN

How often do we stop to think about where individual atoms around us came from? Much of what makes up our surroundings is created by the nuclear physics processes taking place inside stars throughout the various stages of their lives. But how can we study this in the lab? Understanding the different ways in which radioactive isotopes decay can help us learn about the processes and locations that lead to their creation. This talk will look at how we can bring the stars to us to study short-lived, exotic isotopes in the lab, what we can learn, and some of the tools we use to do so.