

Wear a costume; win goodies!

PSD MIXER HALLOWEEN EDITION

OCTOBER 30, 2020 @ 2:30 PM

Join Zoom Meeting

Meeting URL: <https://ca01web.zoom.us/j/65962197564>

Join by Phone: +1 647 374 4685

Meeting ID: 659 6219 7564

Passcode: 005238

Agenda:

- : Division Updates w/ Jens (~10 min)
- : Q+A w/ Jens (~5 min)
- : Opening of Food Draw + Costume Showcase (~2 min)
- : "A Year of Working and Living at the South Pole" - Benjamin Eberhardt & Raffaella Busse (~15-20 min)
- : Science Talk Q+A (~5 min)
- : Food Draw (~5 min)
- : Visualization and Breathwork - Rick Maharaj (~5 min)

**Additional Info + Science Talk
abstract on the following page**

Get your Spook On!

Get into the Halloween spirit! Put on a costume and you'll get a goodie bag! Bonus goodies can be had if your pet joins in costume, too!

Food Draw

Just like our last few mixers, we'll be doing a draw for 20 people to win \$20 to put towards a meal from their favourite restaurant. Students get double entries!

Zoom Educate

- Video participation is encouraged! We miss you!
 - Please keep your microphones on mute for the duration of the mixer
 - If you have a question, please utilize the "raise your hand" button and someone will call your name,
OR
 - Type in the chat that you have a question, and someone will call your name.
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A Year of Working and Living at the South Pole

presented by Benjamin Eberhardt & Raffaella Busse

With six months of darkness, temperatures dropping as low as -80°C , zero humidity, and more than 1000 km of icy desert in every direction, the South Pole is one of the most remote places on the planet and hosts an environment which is strenuous to both humans and technology. Accessible by plane only for a short window of 3-4 months, a skeleton crew stays behind in isolation for the better part of the year, keeping all science experiments running through the polar winter. These "Winterovers" are rewarded with the most colorful skies, amplified by the endless white snow planes. Two people usually stay for the IceCube experiment, a giant telescope, buried deep in the Antarctic ice shield.

Raffaella is currently doing her PhD on dark matter detection with IceCube. Benjamin has been doing his master thesis in the Titan group at TRIUMF and did his PhD on supernova detection with IceCube. Both have been living at the South Pole for 13 months, they have since returned and will talk about their experiences.