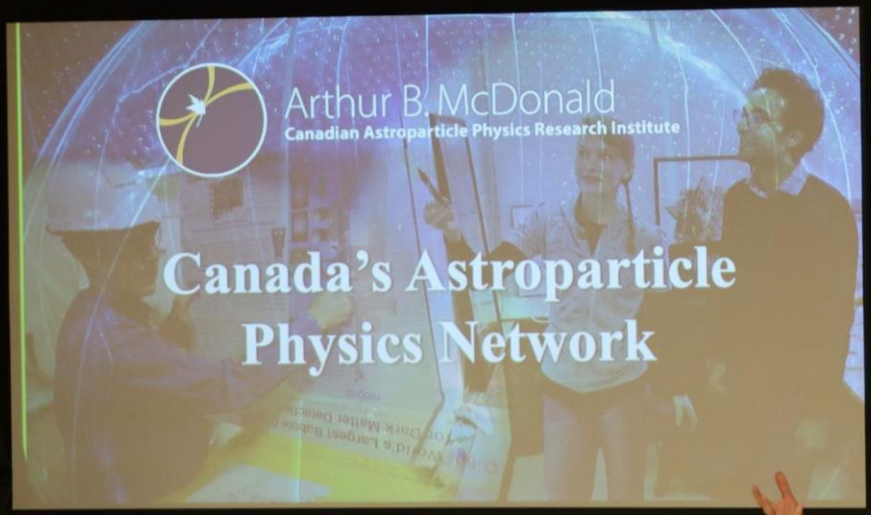




Closeout – including Results  
Christine Kraus



Icebreaker – cup stacking challenge



# Networking Session

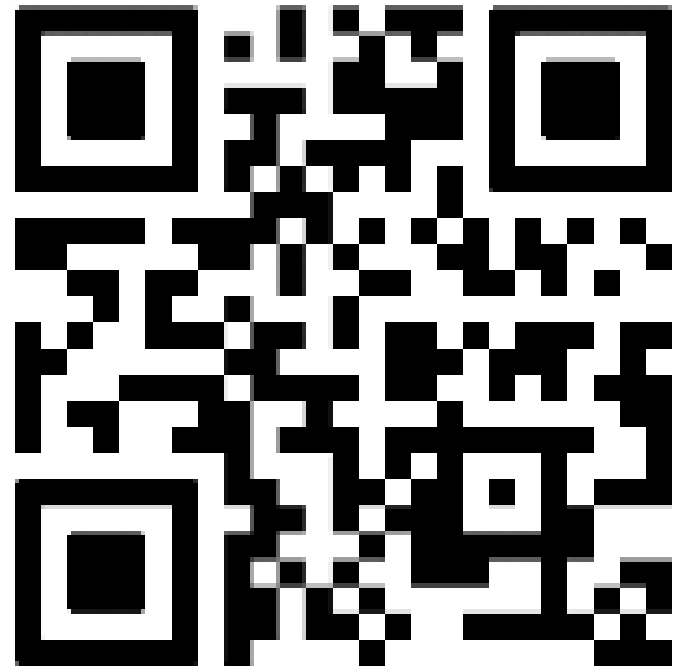


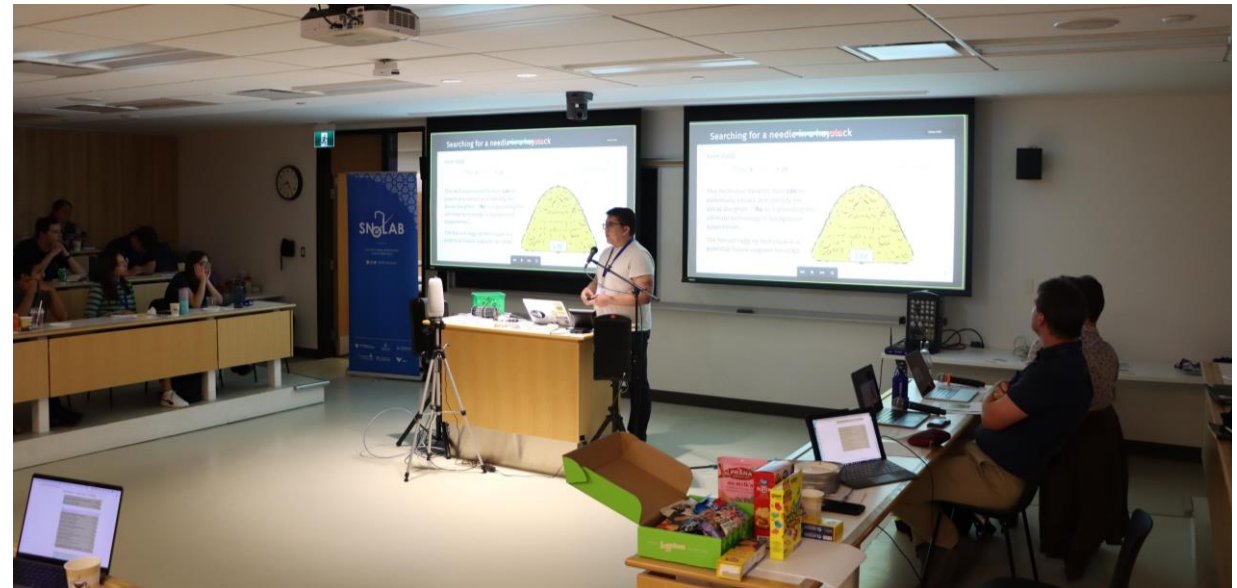
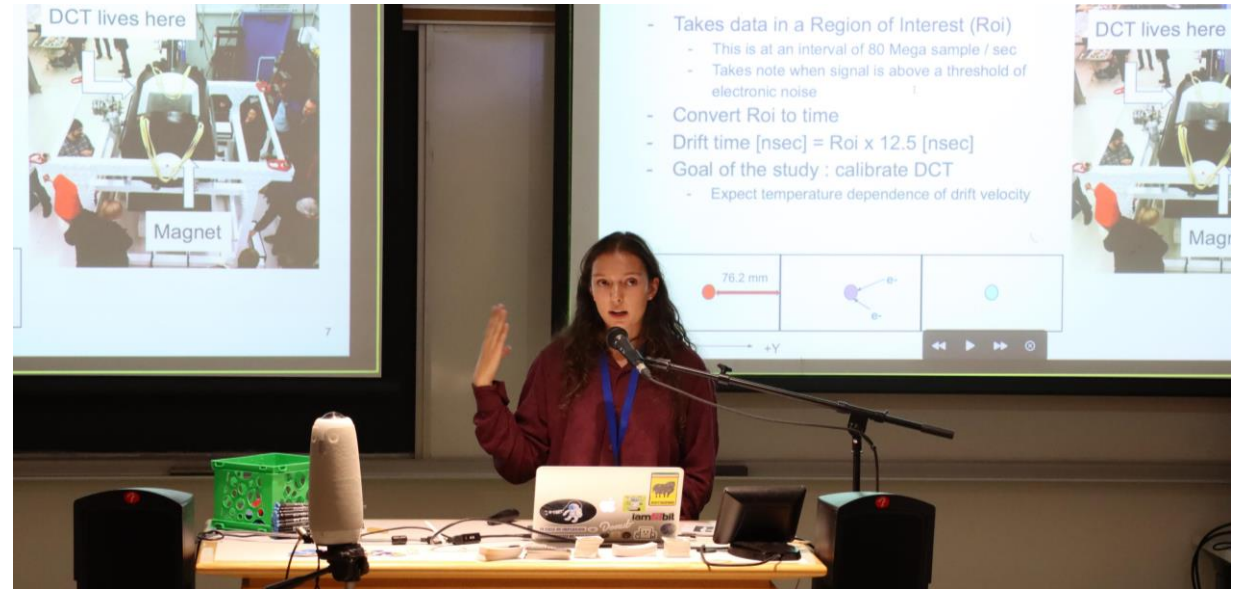


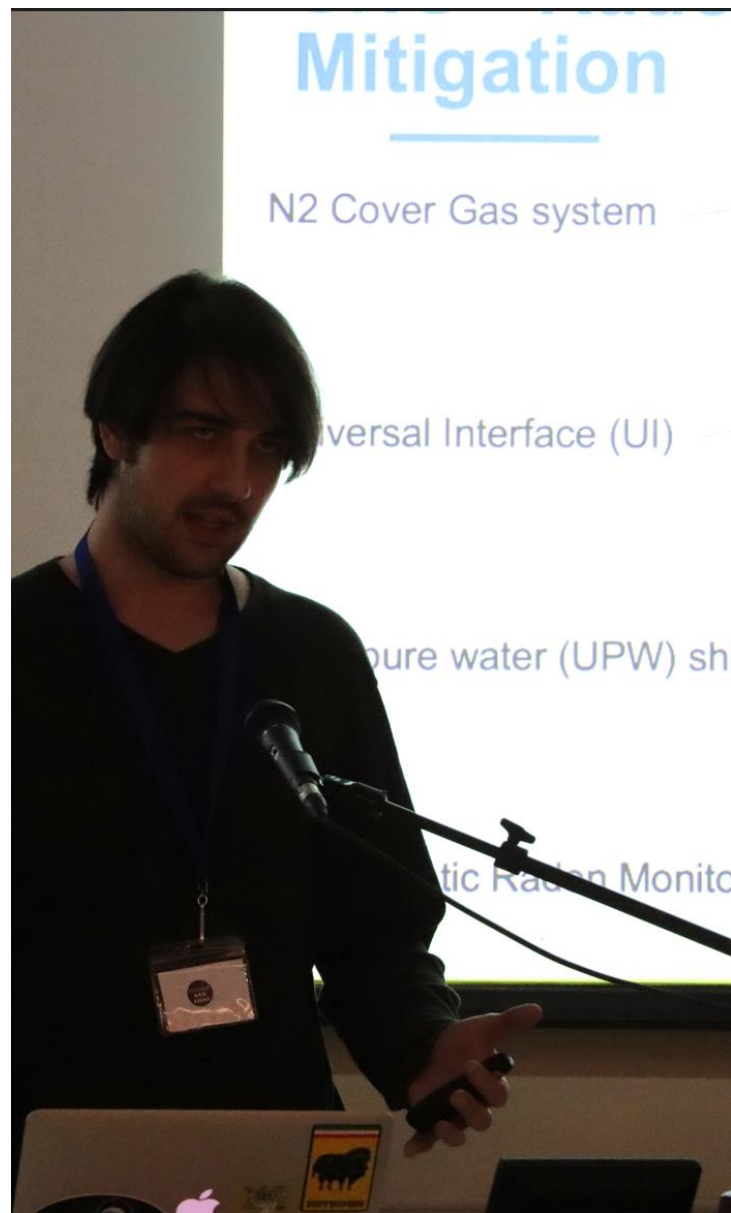
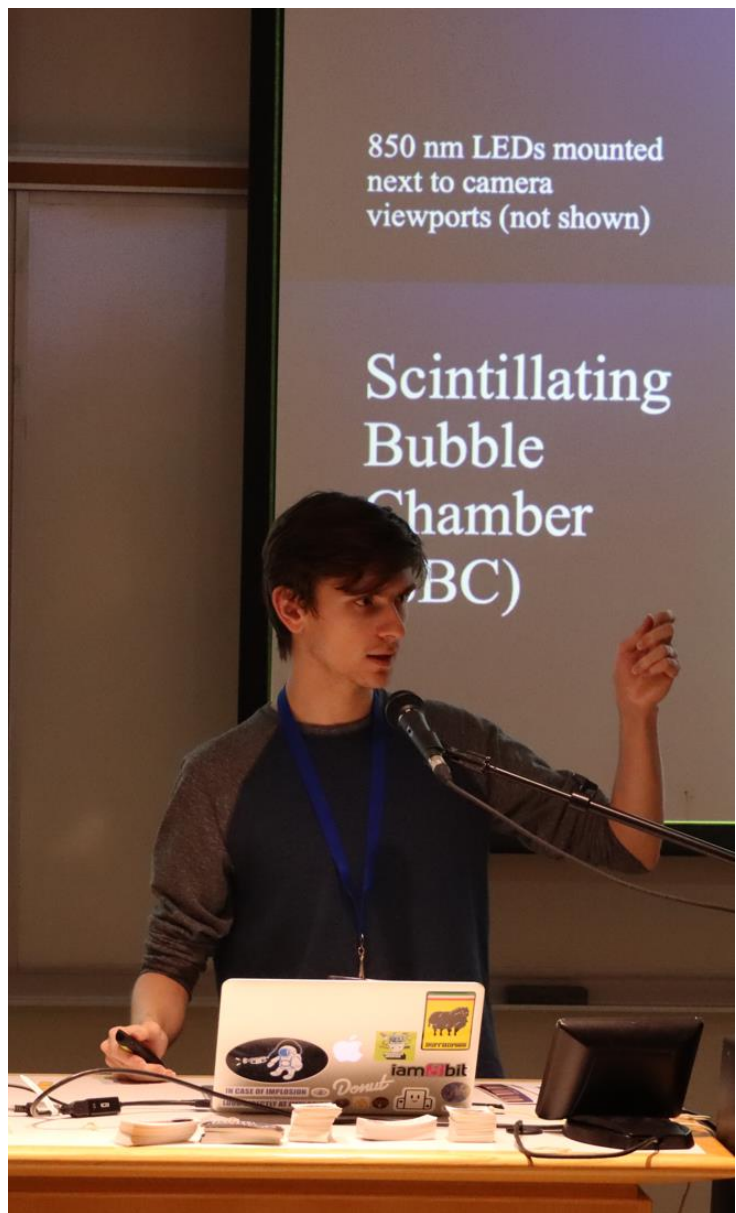
Networking and Creative Science Communication

# Creative Science Communication – Wrap Up

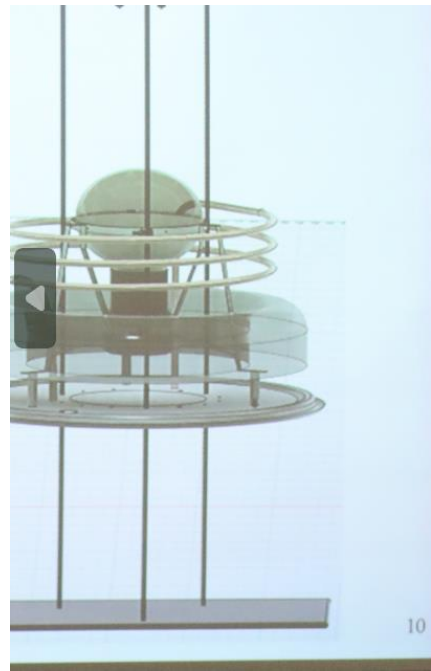
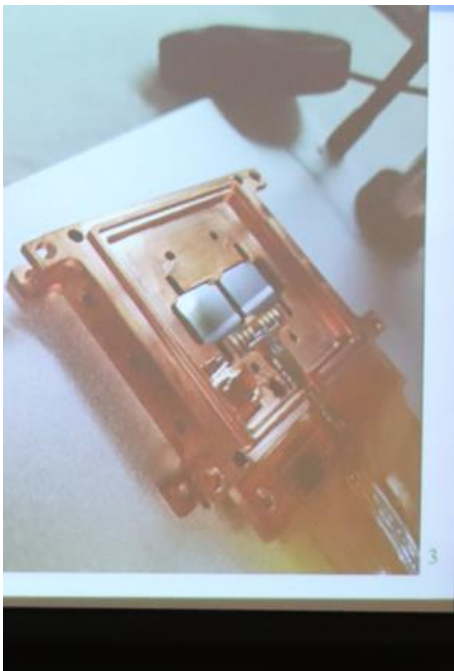
- We invite you to share your rough draft with us!  
This is a supportive space 😊
- Feel free to email me and Zac via:  
[communications@mcdonaldinstitute.ca](mailto:communications@mcdonaldinstitute.ca)
- Also, join Discord's Canadian Astroparticle Physics Community, and add the CASST 2024 Role so we can **all** more easily network.



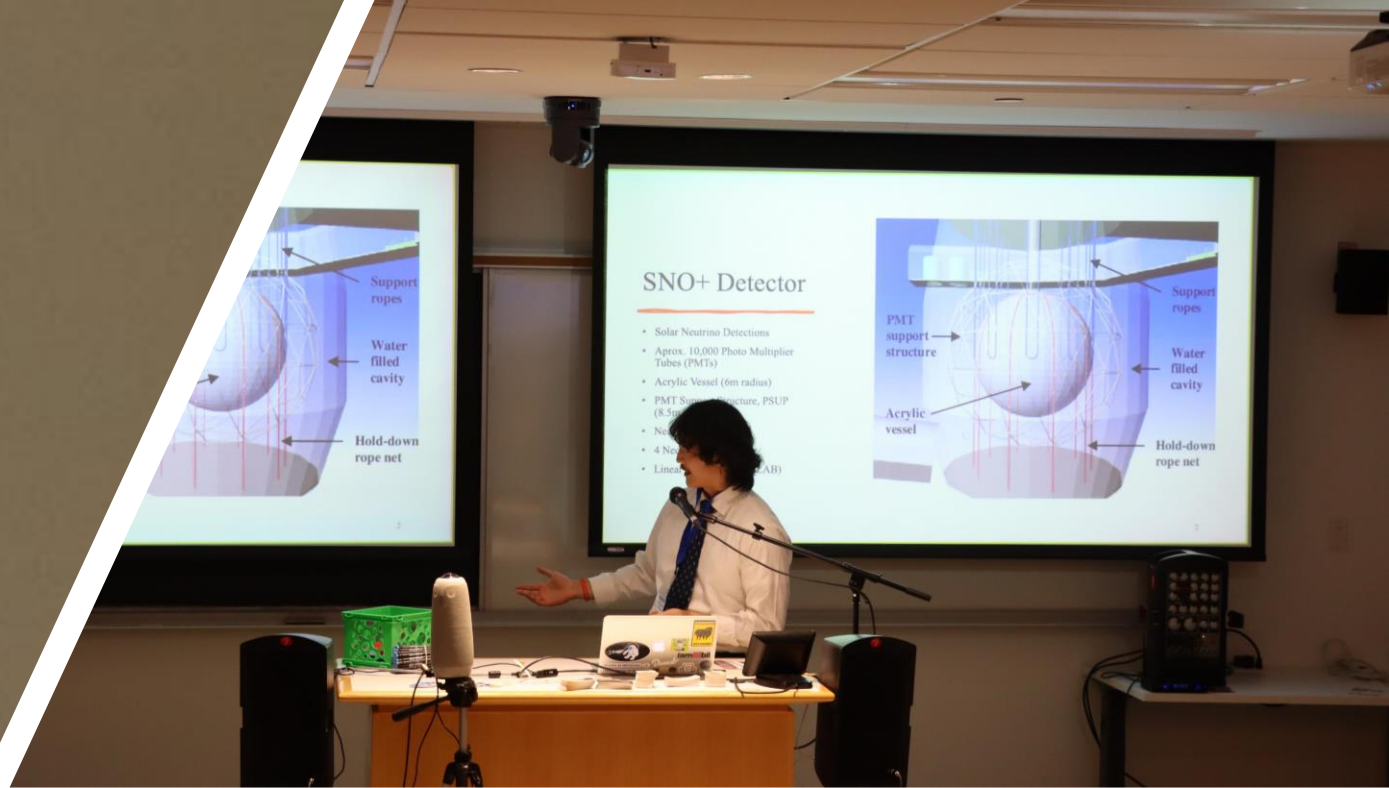










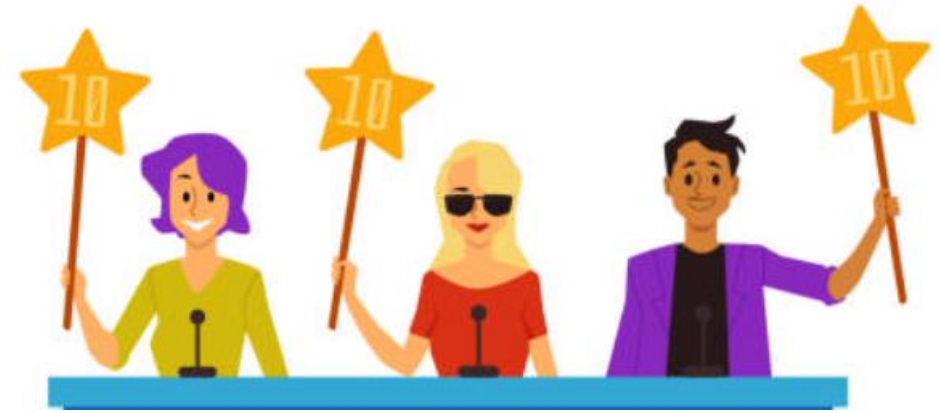




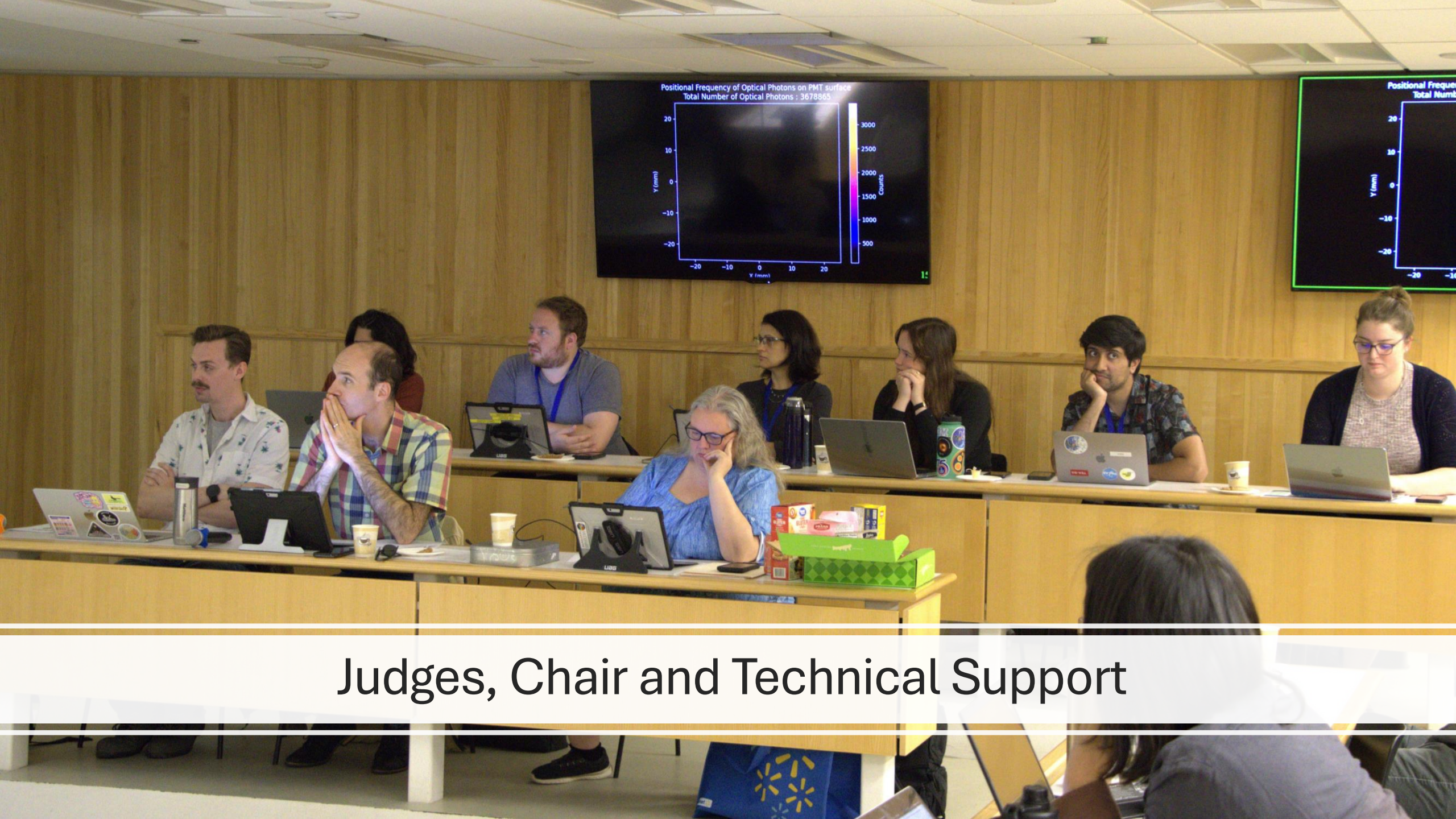
Judges, Chairs, Technical Support

# Judges – THANK YOU

- Aleksandra Bialek – Research Scientist
- Juliette Deloye (DAY 2) – M.Sc. candidate
- Adil Hussain – Technologist (M.Sc.)
- Rachel Richardson – Education and Outreach Officer
- Regan Ross (DAY 1) – Ph.D. candidate
- Matthew Stukel – Research Scientist



Talent is a gift, but your attitude, work ethic and character are things you have to develop yourself. (Rebekah Harkness)



## Judges, Chair and Technical Support

# Session Chairs and Technical Support

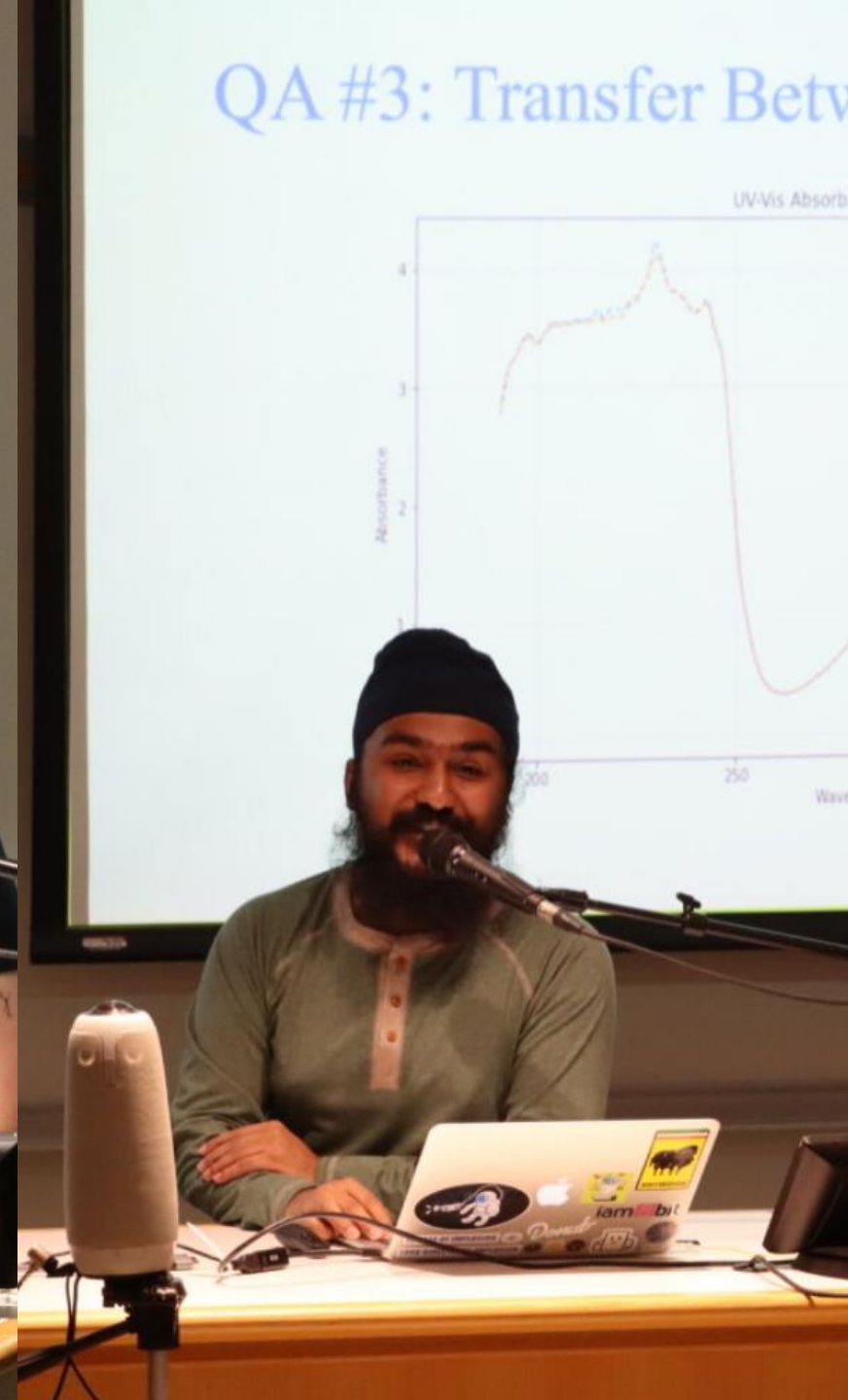
Ryan Bayes

Matt Depatie

Juliette Deloye

Pierre Gorel

Mark Ward







# Career Panel



# Thank you

- Panel: Nasim Fatemighomi, Remington Hill, Christine Kraus, Paul Laroche and chair Matt Depatie
- Student helpers for workshops: Keegan Paleshi, Yusuf Ahmed, Cody O'Neill and Danica Levesque
- Other helpers: Sumanta Pal, Hoi Cheu, Beymar Quanallata, Food services
- Education & Outreach team – Vishnu Vijayakumar (Pictures)
- Everybody helping out with the tour
- Workshops – McDonald Institute team: Mark Richardson, Zac Kenny and Alexandra Pedersen



# EDII Activity





Backgrounds

$^{238}\text{Pu}$  has a Q-value of 2.528 MeV.

to  $\text{Dy}^{162}$ ):

$\mu$  (2 km of rock)

cosmic (tellurium 'cooling background')

$\gamma$  (attenuate by outer volume)

decay chain (identify by tagging and minimize cleaning)



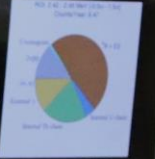
Simulated Backgrounds for SMO  
Credit: Joanne Wilson, TRISEF 2014

Relevant backgrounds

Tellurium-130 has a Q-value of 2.528 MeV.

Backgrounds to  $\text{Dy}^{162}$ :

- $^{238}\text{Pu}$
- Cosmic  $\mu$  (2 km of rock)
- Cosmogenics (tellurium 'cooling background')
- External  $\gamma$  (attenuate by outer volume)
- UTh decay chain (identify by tagging and minimize cleaning)



Simulated Backgrounds for SMO  
Credit: Joanne Wilson, TRISEF 2014



## SNOLAB Outreach



## Student jobs





Canadian Astroparticle  
Physics Community  
**Discord Server:**



[mcdonaldinstitute.ca/social](https://mcdonaldinstitute.ca/social)

McDonald  
Institute  
**Newsletter**



[mcdonaldinstitute.ca/#signup](https://mcdonaldinstitute.ca/#signup)

Canadian Astroparticle  
Physics Community  
**LinkedIn Group:**



[mcdonaldinstitute.ca/networking](https://mcdonaldinstitute.ca/networking)

# Results of the competition

- Everybody did very well
- Many excellent talks
- 44 presentations over a large area of topics
- Theory, Astro, High Energy, Education, EDI, backgrounds, etc.
- 12 online and 32 in person
  
- **YOU MADE IT VERY HARD FOR THE JUDGES**

When you get called, please come up (or turn on your camera), receive your prize and get your picture taken ...

# Honorable Mention

Big achievements come one  
small advantage at a time, one  
step at a time, one day at time.

Jim Rohn

Kaan Sun

Justin Suys

Katharine Jekic

Emma Greenall

# FOURTH PLACE



Grace  
Champagne

# THIRD PRIZE



Matt Poser

# SECOND PRIZE



Joshua  
Himmens

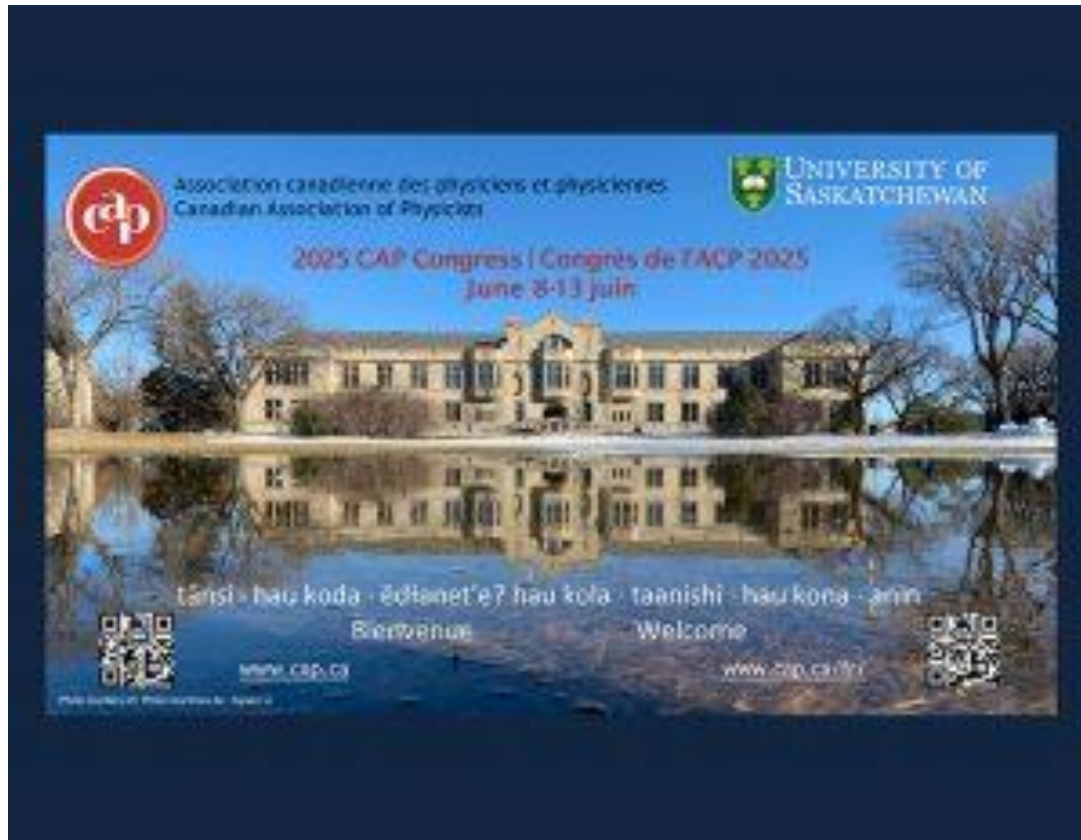
# FIRST PRIZE



Gabrielle  
Barsky-Giles




# Special Prize – going to CAP 2025 in Saskatoon



Gabrielle  
Barsky-Giles  
and  
Justin Suys

# For everybody

- Stickers
- Lanyards
- Pencils
- Pens

A woman in a red dress stands in a field, holding a long, flowing red fabric that stretches across the frame. The background is a sunset sky with soft, golden light and scattered clouds. The overall mood is serene and inspirational.

*" Life is a journey  
of discovery, a  
jewel to be  
cherished and a  
garment to be  
worn! "*

THANK you all for coming, safe travels

SHINY IRIS