

SummEr PartIclE (Astro)PhysIcs WOrkshOp

EIEIOO 2022



Arthur B. McDonald
Canadian Astroparticle Physics Research Institute

Hello and Welcome!

- ▶ It is great to have you here
- ▶ We hope you came prepared to listen, learn, and make friends
- ▶ A reminder to please remain respectful while using Zoom :)

Land Acknowledgement

Queen's University and the McDonald Institute are situated on the territory of the Haudenosaunee and Anishiniaabek.

Ne Queen's University e'tho nońwe nikanónhsote tsi nońwe ne Haudenosaunee tánon Anishinaabek tehatihsnónhsahere ne óhontsa.

Gimaakwe Gchi-gkinoomaagegamig atemagad Naadowe miinwaa Anishinaabe aking.

- ▶ There are many of us tuning in from around the country (and around the world).
- ▶ It is still important to recognize the resources and land used for hosting this conference, to acknowledge this traditional territory, and to recognize its longer history, one predating the establishment of the earliest European colonies.
- ▶ We would also like to acknowledge this territory's significance for the Indigenous Peoples who lived, and continue to live, upon it and whose practices and spiritualities were tied to the land and continue to develop in relationship to the territory and its other inhabitants today.

What is EIEIOO 2022?

- ▶ Workshops and Lectures
 - ▶ Field overviews, experiment talks, and skill development workshops
 - ▶ All sessions will be recorded and have closed captioning enabled
 - ▶ Listen to sessions that interest you
 - ▶ Learn about topics that are completely new
- ▶ Mandatory Fun
 - ▶ A social gathering to mark the end of the workshop

Stay up to date with scheduling and questions on the discord:

<https://discord.gg/HredBqAFZq>

-> There will be giveaways every day!

The Speakers

- ▶ 34 expert speakers have volunteered their time to share their research, knowledge, and experience with you.
- ▶ Look up their research! Ask them questions! They know a lot of things.

Session Chairs



- ▶ Sarah
- ▶ PHD! (Organized this workshop)
- ▶ Did not send me a photo until threatened



- ▶ Hector
- ▶ MSc student at Queen's University
- ▶ Highly Qualified Person



- ▶ Karishma
- ▶ MSc student at McGill University
- ▶ Might be a mad scientist idk

Acknowledgements



- ▶ Special thank you to Benjamin Tam for creating EIEIOO!
- ▶ PHD Candidate
- ▶ Look at his cool website:
<https://owl.phy.queensu.ca/~btam/>
- Or: <http://benjamintam.ca/>
- ▶ Stay tuned to hear him introduce particle physics
- ▶ Country Roads enthusiast

Sponsors

- ▶ Thank you to 3D Printing Canada for sponsoring this event with a Kywoo Tycoon 3D printer!
- ▶ Attendees will have a chance to win this printer during Mandatory Fun



3D PRINTING CANADA



Sponsors

- ▶ Thank you to SNOLAB, McDonald Institute, and Filaments.ca for providing additional prizes



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Enjoy the Workshop Series!

- ▶ I hope you have the opportunity to learn as many skills and attend as many lectures as possible!
- ▶ We have a record number of 500+ attendees this year, so feel free to communicate with us and with each other through the Discord
- ▶ Please contact me if you have any specific accessibility accommodations

"Country Roads, Take me Home
To the Place I Belong"
- John Denver, the Patron Saint of Particle Physics

A black and white photograph of a rural landscape. A road with a dashed center line leads into the distance. On the right side of the road, there is a large, leafy tree. The background shows rolling hills and a sky filled with scattered clouds. The overall mood is serene and contemplative.

Summer Particle Astrophysics Workshop

*Drivin' down the road, I get a feelin'
That I should've been home yesterday, yesterday...*

Next session: Introduction to Particle Physics

Next session starts at: 12:30 pm (EST)