

# **Summer Particle Astrophysics Workshop 2025**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome

*Wednesday 7 May 2025 12:00 (15 minutes)*

**Presenters:** BAI, Minya (Queen's University); PANCHAL, Neha (Postdoctoral Fellow); BOUKHTOUCHEN, Yilda (Queen's University)

Contribution ID: 2

Type: **not specified**

# Introduction to Particle Physics

*Wednesday 7 May 2025 12:15 (1 hour)*

**Presenter:** NOBLE, Tony

Contribution ID: 3

Type: **not specified**

## Accelerator Physics

*Wednesday 7 May 2025 13:30 (1 hour)*

**Presenter:** VACHON, Brigitte (McGill University, (CA))

Contribution ID: 4

Type: **not specified**

## UNIX & Command Line

*Wednesday 7 May 2025 15:00 (2 hours)*

Contribution ID: 5

Type: **not specified**

## **Astroparticle and Multi Messenger Physics**

*Thursday 8 May 2025 12:00 (1 hour)*

**Presenter:** PARK, Nahee

Contribution ID: 6

Type: **not specified**

# **GIT**

*Thursday 8 May 2025 13:30 (1 hour)*

**Presenter:** Dr SEKULA, Stephen (SNOLAB and Queen's University)

Contribution ID: 7

Type: **not specified**

## HELIX

*Thursday 8 May 2025 15:00 (30 minutes)*

**Presenter:** BHARDWAJ, Avani



Contribution ID: 8

Type: **not specified**

## IceCube

*Thursday 8 May 2025 15:30 (30 minutes)*

**Presenter:** HATCH, Patrick

Contribution ID: 9

Type: **not specified**

## VERITAS

*Thursday 8 May 2025 16:00 (30 minutes)*

**Presenter:** OWENS, Bryan (Queen's University)

Contribution ID: **10**

Type: **not specified**

## **Nuclear Physics and backgrounds**

*Friday 9 May 2025 12:00 (1 hour)*

**Presenter:** SWEENEY, Gary (Queen's University)

Contribution ID: **11**

Type: **not specified**

**KDK+**

*Friday 9 May 2025 13:30 (30 minutes)*

**Presenter:** SWIDINSKY, Nicholas (Queen's University)

Contribution ID: 12

Type: **not specified**

## Light Detection

*Friday 9 May 2025 14:00 (30 minutes)*

**Presenter:** CLARK, Kenneth

Contribution ID: 13

Type: **not specified**

## Mandatory Fun

*Friday 9 May 2025 15:30 (1h 30m)*

**Presenters:** BAI, Minya (Queen's University); PANCHAL, Neha (Postdoctoral Fellow); BOUKHTOUCHEN, Yilda (Queen's University)

Contribution ID: 14

Type: **not specified**

**C++**

*Monday 12 May 2025 12:00 (2 hours)*

**Presenter:** Mr HILL, Remington

Contribution ID: 15

Type: **not specified**

## Statistics

*Monday 12 May 2025 14:30 (2 hours)*

**Presenter:** OSER, Scott



Contribution ID: 16

Type: **not specified**

## Introduction to Dark Matter

*Tuesday 13 May 2025 12:00 (1 hour)*

**Presenter:** BOUKHTOUCHEN, Yilda (Queen's University)

Contribution ID: 17

Type: **not specified**

## **Mental Health Workshop**

*Tuesday 13 May 2025 13:30 (1 hour)*

**Presenter:** SAVOIE, Jeremy (Université de Montréal)

Contribution ID: **18**

Type: **not specified**

# ROOT

*Tuesday 13 May 2025 15:00 (2 hours)*

Contribution ID: **19**

Type: **not specified**

## **LaTeX & Research Skills**

*Friday 16 May 2025 12:00 (1 hour)*

Contribution ID: **20**

Type: **not specified**

# Python

*Friday 16 May 2025 13:30 (2 hours)*

**Presenter:** BAI, Minya (Queen's University)

Contribution ID: 21

Type: **not specified**

## Direct and Indirect Detection

*Wednesday 14 May 2025 12:00 (1 hour)*

**Presenter:** GIROUX, Guillaume

Contribution ID: 22

Type: **not specified**

## **PICO**

*Wednesday 14 May 2025 13:30 (30 minutes)*

**Presenter:** ADAMS, Emily (Queen's University)

Contribution ID: 23

Type: **not specified**

## **SBC**

*Wednesday 14 May 2025 14:00 (30 minutes)*

**Presenter:** GARRAH, Carter



Contribution ID: 24

Type: **not specified**

## Argon Experiment

*Wednesday 14 May 2025 15:00 (30 minutes)*

**Presenter:** HUGUES, Theo (Queen's University)

Contribution ID: 25

Type: **not specified**

## NEWS-G

*Wednesday 14 May 2025 15:30 (30 minutes)*

**Presenter:** COQUILLAT, Jean-Marie (Queen's University, Canada)

Contribution ID: 26

Type: **not specified**

## SuperCDMS

*Wednesday 14 May 2025 16:00 (30 minutes)*

**Presenter:** SKUTEL, Matt

Contribution ID: 27

Type: **not specified**

## **Introduction to Neutrino Physics**

*Thursday 15 May 2025 12:00 (1 hour)*

**Presenter:** MARTIN, Ryan

Contribution ID: 28

Type: **not specified**

## **SNO+**

*Thursday 15 May 2025 13:30 (30 minutes)*

**Presenter:** WRIGHT, Alex (IPP/Queen's University)

Contribution ID: 29

Type: **not specified**

## SuperK

*Thursday 15 May 2025 14:00 (30 minutes)*

**Presenter:** AZMI, Ali

Contribution ID: **30**

Type: **not specified**

## **nEXO**

*Thursday 15 May 2025 14:30 (30 minutes)*

**Presenter:** BRUNNER, Thomas (McGill University)