

Session Program

17-18 Aug 2023

The Canadian Astroparticle physics Summer Student Talk (CASST) Competition 2023

Session IV

Laurentian University / Virtual, C-203
Second floor of the classroom building.

Friday 18 August

09:00

Session IV

Session | **Location:** Laurentian University / Virtual, C-203, Second floor of the classroom building. | **Convener:** Anita Masuskapoe

09:00–09:15

All the light we cannot see: studying Dark Photon-Photon oscillations in astrophysical environments

Speaker

Aditya Chugh

09:15–09:30

Adding Bis-MSB in the SNO+ Detector: Boosting the Light Yield One Batch at a Time

Speaker

Myla Weiman

09:30–09:45

Cryogenic Distillation

Speaker

Drake Wickman

09:45–10:00

Preliminary Steps Towards Simulating Gamma-Gamma Coincidence Events in the CTBT Dual Detector and Determining its Minimum Detectable Activity

Speaker

Maxwell Bridgewater

10:00–10:15

Improving radon assay using activated charcoal

Speaker

Yusuf Ahmed

10:15–10:30

Maximum Likelihood Estimation of Errors for Measuring the Flux of Neutrons in the SNO Lab Underground Laboratory

Speaker

Tatum Soward

10:30