Session Program

17–18 Aug 2023

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

Session II

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

Thursday 17 August

11:15

Session II: Session II

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

11:15–11:30
Locating Muons with Timing Information in a Prototype for the MATHUSLA Detector

Speaker
Branden Aitken

11:30–11:45
Exploring Dark Matter with SuperCDMS: Leveraging GANs and Other Machine Learning Techniques

Speaker
Mithun Vanniasinghe

11:45–12:00 Monte Carlo Analyisis of Alpha Backgrounds

Speaker
Mark Volin

12:00–12:15 Nuclear beta decay of rare neutron-deficient isotopes

Speaker
Dhruval Shah

12:30

15:30

Session II: Session III

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

15:30–15:45 Characterizing Photomultiplier Tubes in nEXO's Outer Detector

Speaker
Kristofer Karam

15:45–16:00 External Cross in LoLX1

Speaker
Zachariah Charlesworth

16:00–16:15 The Legacy of SNO

Speaker
Maggie Oxford

16:15–16:30 Roboshifter for SNO+

Speaker
David Drobner

16:30