CASST 2025

Report of Contributions

Contribution ID: **1** Type: **not specified**

CUTE: Cryogenic Underground and Totally Epic

Tuesday, August 12, 2025 9:15 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: CHAUHAN, Dev

Contribution ID: **2**   Type: **not specified**

Characterizing Bellows Nucleation Events in the PICO-40L Dark Matter Direct Detection Experiment

Tuesday, August 12, 2025 9:30 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: ISLAM, Mujtaniba

Contribution ID: **3**   Type: **not specified**

Leveraging FTIR for Compound Identification at SNOLAB: A Spectral Library and Python Tool Integration

Tuesday, August 12, 2025 9:45 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: VAN DER ZYL, Cameron

Contribution ID: 4 Type: **not specified**

Modelling Sensor Performances Across Applied Voltages in the NEWS-G Experiment

Tuesday, August 12, 2025 10:00 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: SANDHU, Sarena

Contribution ID: **5** Type: **not specified**

Direct Detection of "Dark Matter" in the SNO+ Neutrino Detector

Tuesday, August 12, 2025 10:15 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: TIJANI, Oluwasemoore

Contribution ID: **6** Type: **not specified**

Radon mitigation, removal, and testing at SNO+

Tuesday, August 12, 2025 11:00 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: GOROVITZ, Julia

Contribution ID: **7** Type: **not specified**

Automation of a Solid State Cloud Chamber

Tuesday, August 12, 2025 11:15 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: MARA, Xavier

Contribution ID: **8** Type: **not specified**

Keeping it Cool: The SuperCDMS Chilled Water System

Tuesday, August 12, 2025 11:30 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: ALI, Zainab

Contribution ID: **9**   Type: **not specified**

Improving SNOLAB Radon counting sensitivity with low-background ZnS

Tuesday, August 12, 2025 11:45 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: QIN, Peter

Contribution ID: **10**   Type: **not specified**

Deep Underground, Cold and Quantum: Installing Superconducting Qubits at CUTE Facility

Tuesday, August 12, 2025 12:00 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: IQBAL, Ayesha

Contribution ID: **11** Type: **not specified**

Prepare for Trouble and Make it Bubble: My Term on the PICO Experiment

Tuesday, August 12, 2025 12:15 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: O'NEILL, Cody

Contribution ID: **12**   Type: **not specified**

Particle Tracking and Event Reconstruction using Gas Electron Multipliers for DarkLight

Tuesday, August 12, 2025 3:30 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: YANG, Huajian

Contribution ID: **13** Type: **not specified**

The LiNEAr Project: Liquid Nitrogen Excluding Argon

Tuesday, August 12, 2025 3:45 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: RAHIMANI, Sahara

Contribution ID: 14 Type: **not specified**

DDA Purification for 0vbb Search

Tuesday, August 12, 2025 4:00 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: FENLON, Noah

Contribution ID: **15**   Type: **not specified**

From Dark Matter to Dying Stars: Evaluating SuperCDMS's Sensitivity to Supernova Neutrinos via CEvNS

Tuesday, August 12, 2025 4:15 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: HINES, Lily

Contribution ID: **16** Type: **not specified**

Argon Removal with Zeolites: The Role of Simulations and the Problems We Face

Tuesday, August 12, 2025 4:30 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: BOUFFARD, Brayden

Contribution ID: **17** Type: **not specified**

Denoising Germanium Detectors using Machine Learning

Tuesday, August 12, 2025 4:45 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: SEARCY, Tara

Contribution ID: **18** Type: **not specified**

Detecting the unseen: Neutron unfolding with Helium-3 counters

Wednesday, August 13, 2025 9:00 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: CHAUDHARY, Kishan

Contribution ID: **19** Type: **not specified**

Anomaly detection in the LAr calorimeter readout system

Wednesday, August 13, 2025 9:15 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: RANCOURT, Emma

Contribution ID: **20**   Type: **not specified**

Sensor Calibration Using Americium-Aluminum in the NEWS-G Experiment at SNOLAB

Wednesday, August 13, 2025 9:30 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: GOODWIN, Qwin

Contribution ID: **21** Type: **not specified**

Time of Flight Calibration for HELIX

Wednesday, August 13, 2025 9:45 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: MOSS, Lily

Contribution ID: **22** Type: **not specified**

Radium Dials

Wednesday, August 13, 2025 10:00 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: PALESHI, Keegan

Contribution ID: **23**　　　　　　　　　　　　　　　　Type: **not specified**

Background Reductions and Fill of the DEAP-3600 Dark Matter Detector

Wednesday, August 13, 2025 10:15 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter:　MONK, Cheyanne

Contribution ID: **24** Type: **not specified**

HALO neutron bursts corresponding to novas

Wednesday, August 13, 2025 11:00 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: SHIPP-WIEDERSPRECHER, Zoe

Contribution ID: **25** Type: **not specified**

Spectral Characterization of Hafnium Source for Use in the LoLX Experiment

Wednesday, August 13, 2025 1:15 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: COULTHARD, Ethan

Contribution ID: **26** Type: **not specified**

The invisible infrastructure

Wednesday, August 13, 2025 2:00 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: MUHAMMAD, Bilal Nasseem

Contribution ID: **27** Type: **not specified**

The CUTE Way to Detect Neutrons

Wednesday, August 13, 2025 1:00 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: BINOY, Brianna

Contribution ID: **28**   Type: **not specified**

NEXO Stave Testing for 0νββ Decay

Wednesday, August 13, 2025 11:15 AM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: SULAIEVA, Marharyta

Contribution ID: **29** Type: **not specified**

Reducing Backgrounds Using Gamma-Gamma Coincidences

Wednesday, August 13, 2025 1:30 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: SAHU, Abhipsha

Contribution ID: **30** Type: **not specified**

Building the RAMP towards locating the Electron Capture of Lutetium 176

Wednesday, August 13, 2025 1:45 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: TSERAGOTIN, Arina

Contribution ID: **31** Type: **not specified**

Searching for Neutrinos from Gravitational Wave Events with HALO

Wednesday, August 13, 2025 2:15 PM (15 minutes)

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: NITU, Irina

Contribution ID: **32**   Type: **not specified**

Student

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Contribution ID: **33** Type: **not specified**

Student

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Contribution ID: **34** Type: **not specified**

Student

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Contribution ID: **35** Type: **not specified**

Student

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Contribution ID: **36** Type: **not specified**

Introduction to outreach workshop

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: DELOYE, Juliette

Contribution ID: **37** Type: **not specified**

Welcome

Contribution ID: **38** Type: **not specified**

Introduction to EDI Activity

What area of study best describes your talk?

If you answered 'Other', please provide the study area.

Presenter: KRAUS, Christine