

**Session Program**

**23-24 Aug 2021**

**Canadian Astro-Particle Physics Summer  
Student Talk Competition**

***Session 9***

## Tuesday 24 August

17:00

### Session 9

#### Session |

**Location:** Day One (Monday, 23 August 2021) - 10:45am ET Start <https://queensu.zoom.us/j/96737058866?pwd=OWlCcVRpTnYwSFYxVFNXVFVuanBKQT09> Meeting ID: 967 3705 8866 Passcode: 593378 Day Two (Tuesday, 24 August 2021) - 12:30pm ET Start <https://queensu.zoom.us/j/95042947884?pwd=bHNzbFFEWnFZSDZaSHpwWUEwdVZ0dz09> Meeting ID: 950 4294 7884 Passcode: 919290 |

**Conveners:** Leon Pickard, Amanda Bacon

17:00-17:15

#### Tellurium Plants and Tellurium Purification in SNO+

##### Speaker

Julia Patterson

17:15-17:30

#### A comparative study of various Deep Learning techniques for spatio-temporal Super-Resolution reconstruction of forced isotropic turbulent flows

##### Speaker

T.S.Sachin Venkatesh

17:30-17:45

#### Simulation of backgrounds for the Ar2D2 detector.

##### Speaker

Maria Ortiz

17:45-18:00

#### Cascade Reconstruction in Pacific Ocean Neutrino Experiment (P-ONE)

##### Speaker

Mr Kaustav Dutta

18:00-18:15

#### Right Time, Right Place: a Comparative Analysis of DEAP-3600's Position Reconstruction Algorithms

##### Speaker

Raveen Sidhu

18:30