

Session Program

8-13 Jun 2025



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2025 CAP Congress / Congrès de l'ACP 2025

***(DAPI) T1-1 | (DPAI) Advances in Radiation
Detection, Simulation, and Low Background
Techniques***

Tuesday 10 June

10:15

(DAPI) T1-1 | (DPAI) Advances in Radiation Detection, Simulation, and Low Background Techniques

Session

10:15-10:45

The SNOLAB Low Background Measurement Program**Speaker**

Dr Ian Lawson

10:45-11:00

Development and Future Prospects of ZnS Lucas cells**Speaker**

Peter Qin

11:00-11:15

Lucas Cell Simulation using Geant4**Speaker**

Justin Suys

11:15-11:30

Vacuum Ultraviolet Stability Measurements of Silicon Photomultipliers at liquid Xenon Temperatures.**Speaker**

Riya Rai

11:30-12:00

Modernizing Canada's radon guidance: Health Canada's data-driven approaches for radon reduction to address rising radon levels**Speaker**

Dr Pawel Mekarski

12:00