

Session Program

21-26 Jun 2026



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2026 CAP Congress / Congrès de l'ACP 2026

(DNP) T2-6 Nuclear Theory | Théorie nucléaire (DNP)

U. Ottawa - Learning Crossroads (CRX) Building
100 Louis-Pasteur Private, Ottawa, ON K1N 9N3

Tuesday 23 June

14:15

(DNP) T2-6 Nuclear Theory | Théorie nucléaire (DNP)

Session |

Location: U. Ottawa - Learning Crossroads (CRX) Building, 100 Louis-Pasteur Private, Ottawa, ON K1N 9N3

14:15-14:45

Nucleosynthesis for the lightest and the heaviest elements

Speaker

Tsung-Han Yeh

14:45-15:00

Emulators for nuclear physics: from microscopic forces to many-body systems

Speaker

Ryan Curry

15:00-15:15

A Coincidence Algebra bundle for Decay Quivers: An Algebraic Approach to Gamma-ray Spectroscopy

Speaker

Liam Schmidt

15:15-15:30

Ab Initio Nuclear Theory for Neutrinoless Double-Beta Decay

Speaker

Alex Todd

15:30-15:45

Higher order electroweak radiative corrections in parity violating asymmetry using covariant approach

Speaker

Dr Mahumm Ghaffar

15:45