

Session Program

8-13 Jun 2025



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2025 CAP Congress / Congrès de l'ACP 2025
(DNP) T2-6 Nuclear Theory | Théorie nucléaire
(DPN)

Tuesday 10 June

14:15

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

Session

14:15–14:45

First principles theory for nuclear structure, astrophysics, and new-physics searches

Speaker

Jason Holt

14:45–15:00

Ab initio calculations of nuclear parity-violating moments and nuclear structure corrections for tests of fundamental symmetries

Speaker

Petr Navratil

15:00–15:15

Modelling electroweak processes in light nuclei: Nuclear Fermi decays and V_{ud}

Speaker

Mr Michael Gennari

15:15–15:30

Studying nuclear matter under extreme conditions using supercomputing

Speaker

Prof. Gojko Vujanovic

15:30–15:45

Jet broadening and photon production in a viscous Quark-Gluon Plasma

Speaker

Hemanth Regi

15:45