

Session Program

18-23 Jun 2023



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2023 CAP Congress / Congrès de l'ACP 2023

***(DNP) T4-6 Precision Physics and Tests of
Fundamental Symmetries | Physique de
précision et tests des symétries
fondamentales (DPN)***

University of New Brunswick

Monday 19 June

15:15

(DNP) T4-6 Precision Physics and Tests of Fundamental Symmetries | Physique de précision et tests des symétries fondamentales (DPN)

Session | **Location:** Rm. 201 (max. 98), UNB Kinesiology | **Convener:** Prof. Gregory Christian

15:15-15:45

(I) The Neutron Beta Decay Experiment (Nab) and Canada's Role using the Manitoba II 30 keV Proton Source

Speaker

Nick Macsai

15:45-16:15

(I) Radioactive molecules for fundamental physics at TRIUMF

Speaker

Dr Ivana Belosevic

16:15-16:30

(G*) Observation of magnetic dipole M1 transition in francium: A key step towards measuring atomic parity violation

Speaker

Ms Anima Sharma

16:30-16:45

(G*) Laser Calibration Studies Using the ALPHA-g Detector

Speaker

Pooja Woosaree

16:45-17:00

(G*) Storage lifetime of ultracold neutrons in superfluid helium between 1.0 K and 1.8 K

Speaker

Sean Vanbergen

17:00-17:15

(G*) STUDIES OF $^{198}\text{Hg}(d, d')$ INELASTIC SCATTERING REACTION

Speaker

Sally Valbuena

17:15