

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) R1-4 Precision Nuclear Processes and
Beyond | Processus nucléaires de précision et
au delà (DPN)***

University of New Brunswick

Thursday 22 June

08:30

(DNP) R1-4 Precision Nuclear Processes and Beyond | Processus nucléaires de précision et au delà (DPN)

Session | **Location:** Rm. 215 (max. 190), UNB Kinesiology | **Convener:** Michael Gericke

08:30–08:45

High Precision Half-Life Measurements for the Superalloyed Fermi β^+ Emitter 140

Speaker

Mr Eric Gyabeng Fuakye

08:45–09:00

Development work for The Detector Array for Energy Measurement of Neutrons (DAEMON)

Speaker

Zarin Tasnim Ahmed

09:00–09:15

Second-Order Perturbation Theory in Continuum Quantum Monte Carlo

Speaker

Ryan Curry

09:15–09:30

Mirror symmetry in the $f7/2$ shell below ^{56}Ni , excited states and electromagnetic transition rates in ^{55}Ni and ^{55}Co

Speaker

Heinz Asch

09:30–09:45

Evaluating the neutron drip line using quantum computing

Speaker

Olivia Di Matteo

09:45–10:00

The TRIUMF Storage Ring (TRISR) Project

Speaker

Christopher Griffin

10:00