

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) M3-4 Testing the Standard Model at
low and intermediate energies | Tester le
modèle standard à des énergies faibles et
intermédiaires (DPN)***

University of New Brunswick

Monday 19 June

16:00

(DNP) M3-4 Testing the Standard Model at low and intermediate energies | Tester le modèle standard à des énergies faibles et intermédiaires (DPN)

Session | **Location:** Rm. 205 (max. 85), UNB Tilley Hall | **Convener:** Michael Gericke

16:00–16:30

(I) The P2 experiment at MESA - A high precision measurement of the weak mixing angle

Speaker

Dr Malte Wilfert

16:30–16:45

(G*) Electron detectors for the MOLLER Experiment

Speaker

Nafis Niloy

16:45–17:00

The liquid deuterium system for the TUCAN source

Speaker

Prof. Jeffery Martin

17:00–17:15

(G*) Covariant Approach in Bethe-Heitler process for the calculation of electron-proton Scattering

Speaker

Ms Mahumm Ghaffar

17:15–17:30

Detecting Anti-Hydrogen in the ALPHA-g Antimatter-Gravity Experiment

Speaker

Gareth Smith

17:30–17:45

(G*) Simulation studies of the radial time projection chamber for the ALPHA-g antihydrogen gravity experiment

Speaker

Daniel Duque

17:45