

Session Program

5-11 Jun 2022



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

2022 CAP Congress / Congrès de l'ACP 2022

***M2-4 Precision Techniques in Nuclear and
Particle Physics (DNP) | Techniques de
précision en physique des particules et des
noyaux (DPN)***

McMaster University

Sunday 5 June

13:15

M2-4 Precision Techniques in Nuclear and Particle Physics (DNP) | Techniques de précision en physique des particules et des noyaux (DPN)

Session | **Location:** McMaster University, MDCL 1110 | **Convener:** Prof. Elie Korkmaz

13:15-13:30 **(G*) Higher-Order Leptonic Corrections in Covariant Approach**

Speaker

Mahumm Ghaffar

13:30-13:45

(G*) Applications of ab initio nuclear theory to tests of fundamental symmetries

Speaker

Michael Gennari

13:45-14:00

(G) Novel Conditional Generative Approach and Applications in Nuclear and Particle Physics

Speaker

James Giroux

14:00-14:15

(G*) Developing the Integrating Detector Electronics Chain for the MOLLER Experiment

Speaker

Brynne Blaikie

14:15-14:30

(G*) First principles calculations of ${}^7\text{Li}+p$ radiative capture

Speaker

Mr Peter Gysbers

14:30-14:45

Mirror Symmetry in the $f_{7/2}$ Shell Below ${}^{56}\text{Ni}$, Excited States and Electromagnetic Transition Rates in ${}^{55}\text{Ni}$ and ${}^{55}\text{Co}$

Speaker

Krzysztof Starosta

14:45