

## Session Program

5-11 Jun 2022



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

**2022 CAP Congress / Congrès de l'ACP 2022**

***W1-4 Nuclear Structure (DNP) | Structure  
nucléaire (DPN)***

McMaster University

## Wednesday 8 June

10:45

### W1-4 Nuclear Structure (DNP) | Structure nucléaire (DPN)

Session | Location: McMaster University, MDCL 1110 | Convener: Krzysztof Starosta

10:45-11:15

#### (I) First Evidence of Axial Shape Asymmetry and Shape Coexistence in $^{74}\text{Zn}$ : Suggestion for a Northern Extension of the $N=40$ Island of Inversion

**Speaker**

Marco Rocchini

11:15-11:30

#### (G\*) Investigation of States Populated in the $^{102}\text{Ru}(p,t)$ Two Neutron Transfer Reaction

**Speaker**

Samantha Buck

11:30-11:45

#### Electromagnetic Transition Rate Studies in $^{28}\text{Mg}$

**Speaker**

Dr Krzysztof Starosta

11:45-12:00

#### (G\*) Direct Population and Lifetime Measurement of the $2^+_{11}$ State in $^{40}\text{Ca}$ via an Alpha-transfer Reaction

**Speaker**

Frank (Tongan) Wu

12:00-12:15

#### (G\*) Beam Development and Commissioning at TRIUMF with the TITAN MR-TOF Mass Spectrometer

**Speaker**

Mr Coulter Walls

12:15