Session Program

Feb 16 – 19, 2023

WNPPC2023 - 60th Winter Nuclear Particle Physics Conference

February 18 Morning Session

Banff Centre, KC 303

Sat, February 18

8:30 AM

February 18 Morning Session: Antimatter

Session | **Location:** Banff Centre, KC 303 | **Convener:** Timothy Friesen

8:30 – 8:45 AM **Welcome & Notes**

8:45 – 9:15 AM **The ALPHA-g antihydrogen gravity experiment**

Speaker
Chukman So

9:15 – 9:30 AM **Laser Calibration Studies Using the ALPHA-g Detector**

Speaker
Pooja Woosaree

9:30 – 9:45 AM **Anti-Hydrogen Detection and Background Rejection for ALPHA-g**

Speaker
Gareth Smith

9:45 – 10:00 AM **Magnetic Fields During Gravitational Experiments with Antihydrogen**

Speaker
Adam Powell

10:00 – 10:15 AM **Decay Rates of Positronium Species**

Speaker
Muhammad Mubasher

10:15 AM

10:45 AM

February 18 Morning Session: Nuclear Structure

Session | **Location:** Banff Centre, KC 303 | **Convener:** Marcella Berg

10:45 – 11:00 AM **Investigating the Nuclear Shell Evolution in Neutron-Rich Calcium**

Speaker
Robin Coleman

11:00 – 11:15 AM
Decay spectroscopy around neutron-rich 33Mg to probe the "island of inversion"

Speaker
tammy zidar

11:15 – 11:30 AM **Searching for Alpha-Cluster States in ^{126}Te**

Speaker
Frank (Tongan) Wu

11:30 – 11:45 AM
Mirror symmetry in the f7/2 shell below 56Ni, excited states and electromagnetic transition rates in 55Ni and 55Co

Speaker
Heinz Asch

11:45 AM – 12:00 PM **Electromagnetic Transition Rate Studies in 28Mg**

Speaker
Matthew Martin

12:00 – 12:15 PM

The Experimental Study of Shape Coexistence in 114Sn Using the GRIFFIN Spectrometer

Speaker
Dominic Annen

12:15 PM