

## Session Program

24-26 May 2021



## Phenomenology 2021 Symposium

***DM VIII***

University of Pittsburgh  
Pittsburgh, PA 15260

## Wednesday 26 May

14:00

### DM VIII

**Session** | **Convener:** Bibhushan Shakya

14:00–14:15

#### Neutron stars as Pauli batteries: probing the neutron portal with internal heating of pulsars

##### Speaker

Nirmal Raj

14:15–14:30

#### Neutron star heating by inelastic dark matter

##### Speaker

Aniket Joglekar

14:30–14:45

#### Macroscopic Dark Matter Constraints from the Red Giant Branch Helium Flash

##### Speaker

Zachary Johnson

14:45–15:00

#### Probing dark matter interactions below the neutrino floor with PopIII stars

##### Speaker

Cosmin Ilie

15:00–15:15

#### Nuclear Fusion inside Dark Matter

##### Speaker

Javier Fernández Acevedo

15:15–15:30

#### The 511 keV Excess and Primordial Black Holes in our Solar System

##### Speaker

Celeste Keith

15:30–15:45

#### Probing light dark matter particles with astrophysical experiments

##### Speaker

Tanmay Poddar

15:45–16:00

#### Multiscatter Multi-component Capture of Dark Matter

##### Speaker

Caleb Levy

16:00