

## **Session Program**

**24-27 Mar 2025**

## **UCLA Dark Matter 2025**

### ***SESSION 6: Astrophysics and Cosmology-2***

UCLA Physics and Astronomy Building 1-425  
475 Portola Plaza, Los Angeles, CA 90095 [darkmatter@physics.ucla.edu](mailto:darkmatter@physics.ucla.edu)

# Monday 24 March

10:15

## SESSION 6: Astrophysics and Cosmology-2

**Session** |

**Location:** UCLA Physics and Astronomy Building 1-425, 475 Portola Plaza, Los Angeles, CA 90095  
darkmatter@physics.ucla.edu

10:15-10:30

### Status of cosmic antinuclei searches

**Speaker**

Philip Von Doetinchem

10:30-10:45

### A Tale of Two Black Hole Populations

**Speaker**

Simeon Bird

10:45-11:00

### Long-Range Dark Matter Self-Interactions in FIRE Simulations

**Speaker**

Isabel Sands

11:00-11:15

### Probing DM Substructure with Dynamical Heating in Ultra-Faint Dwarfs

**Speaker**

Peter Graham

11:15-11:30

### Mapping out Dark Matter in the Milky Way

**Speaker**

Lina Necib

11:30-11:45

### Primordial Black Holes as Dark Matter Candidates: $O(\alpha)$ Corrections to Hawking Radiation

**Speaker**

Makana Silva

11:45-12:00

### Limits on primordial black holes as dark matter from two decades of the OGLE survey

**Speaker**

Przemek Mróz

12:00