

**Session Program**

**24-27 Mar 2025**

**UCLA Dark Matter 2025**

***SESSION 2: Astrophysics and Indirect Dark  
Matter Searches***

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

# Sunday 23 March

10:10

## SESSION 2: Astrophysics and Indirect Dark Matter Searches

**Session** |

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

10:10-10:35 **Dynamical astrophysical probes of dark matter**

**Speaker**

Jo Bovy

10:35-11:00 **PaleoDetectors (Ancient Minerals from Deep Underground)**

**Speaker**

Prof. Katherine Freese

11:00-11:25 **Galaxies as Probes of the Particle Physics Nature of Dark Matter**

**Speaker**

Mariangela Lisanti

11:25-11:50

**An overview of new dark matter constraints from strong gravitational lensing probes.**

**Speaker**

Dr Anna Nierenberg

11:50-12:15

**Probing ultra-light dark matter wave interference with astrophysical observations**

**Speaker**

Elisa Gouvea Mauricio Ferreira

12:15