

Session Program

24-27 Mar 2025

UCLA Dark Matter 2025

***SESSION 17: Direct detection Recent
Developments II & New Concepts***

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

Wednesday 26 March

12:50

SESSION 17: Direct detection Recent Developments II & New Concepts

Session |

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

12:50–13:05

Direct Detection of Dark Matter Using Optically Levitated Nanospheres

Speaker

Yu-Han Tseng

13:05–13:20

Quantum Parity Detectors with meV resolution for low mass dark matter searches

Speaker

Karthik Ramanathan

13:20–13:35

GALILEO: Galactic Axion Laser Interferometer Leveraging Electro-Optics

Speaker

Reza Ebadi

13:35–13:50

Searching for ultralight dark matter with trapped-ion interferometry

Speaker

Leonardo Badurina

13:50–14:05

The Cross-Disciplinary Hunt for Dark Matter: Machine Learning and Material Science Meet Astroparticle Physics

Speaker

Carlos Blanco

14:05–14:20

The QUANTum Limited PHotons In the Dark Experiment with far infrared photon counting

Speaker

Ritoban Basu Thakur

14:20–14:35

Turn off the lights to see hidden sector dark matter

Speaker

Ryan Gibbons

14:35–14:50

CMB-S4 Talk

Speaker

Kimberly Boddy

14:50