

Session Program

Sep 2 - 4, 2026



Probe Combination for Dark Matter Physics in the Era of Large Surveys

Strong lensing as a probe of DM

KICP, University of Chicago, 401
University of Chicago Kavli Institute for Cosmological Physics 5640 S Ellis Ave, Chicago, IL 60637

Thu, September 3

1:45 PM

Strong lensing as a probe of DM

Session

1:45 – 2:08 PM

Strong lensing by galaxies as a probe of cosmic structure

Speaker

Anna Nierenberg

2:08 – 2:20 PM

Simulation-based Forward-Modeling of Strong Lensing Substructure in Dark Matter Halos

Speaker

Ollie Jackson

2:20 – 2:32 PM

Recent advances in the flux-ratio anomaly statistics method for DM inference

Speaker

Hadrien Pagnat

2:32 – 2:44 PM

A novel probe of dark matter substructure in galaxy clusters from lensed arc asymmetry

Speaker

Derek Perera

2:45 – 3:00 PM

Discussion

3:00 PM