

Session Program

29 March 2023 to 1 April 2023

UCLA Dark Matter 2023

SESSION 5: Astrophysics and Cosmology-1 (CHAIR: Graciela Gelmini- UCLA)

UCLA, PAB- 1-425

UCLA Department of Physics and Astronomy 475 Portola Plaza, Los Angeles, CA 90095

Wednesday 29 March

07:30

SESSION 5: Astrophysics and Cosmology-1 (CHAIR: Graciela Gelmini-UCLA)

Session |

Location: UCLA, PAB- 1-425, UCLA Department of Physics and Astronomy 475 Portola Plaza, Los Angeles, CA 90095

07:30–07:45

DM GHOSTs: Anomalous low-mass structures induced by the supersonic relative velocity between dark matter and baryons

Speaker

Claire Williams

07:45–08:00

Effect of the Large Magellanic Cloud on dark matter direct detection

Speaker

Nassim Bozorgnia

08:00–08:15

The Primordial Black Holes Variations

Speaker

Stefano Profumo

08:15–08:30

What does cosmology tell us about dark matter mass and interactions?

Speaker

Vera Gluscevic

08:30–08:45

Self-Interacting Dark Matter and Small-Scale Structure

Speaker

Hai-Bo Yu

08:45–09:00

Pushing the Limits of Detectability: Mixed Dark Matter from Strong Gravitational Lenses

Speaker

Ryan Keeley

09:00–09:15

Early Dark Matter-less Star Clusters as tests to Λ CDM

Speaker

William Lake

09:15–09:30

Dark Stars in JWST and Roman Space Telescope

Speaker

Katherine Freese

09:30–09:45

Velocity-dependent J-factors in FIRE simulations of Milky-Way size galaxies for indirect detection experiments

Speaker

James Bullock

09:45