

Session Program

9-11 May 2022



Phenomenology 2022 Symposium: From Virtual to Real

DM III

University of Pittsburgh
Pittsburgh, PA 15260

Tuesday 10 May

14:00

DM III

Session | **Location:** Lawrence Hall 104 | **Convener:** Ian Lewis

14:00-14:15

Impact of UV photons from Dark Matter Annihilation on Cosmological Recombination and First Galaxies

Speaker

Yash Aggarwal

14:15-14:30

A graph representation for the distribution of dark matter halos

Speaker

Daneng Yang

14:30-14:45

Beyond the Free-Streaming Scale: The Detailed Shape of the Dark-Matter Velocity Distribution and its Impact on Cosmic Structure

Speaker

Brooks Thomas

14:45-15:00

Dark Solar Wind

Speaker

Erwin Tanin

15:00-15:15

Neutrino point source searches for dark matter spikes

Speaker

Dr Patrick Stengel

15:15-15:30

Re-analysis of 3.5 keV line

Speaker

Yujin Park

15:30-15:45

Free-streaming and Coupled Dark Radiation Isocurvature Perturbations: Constraints and Application to the Hubble Tension

Speaker

Subhajit Ghosh

15:45-16:00

Post-Recombination Spectral Distortions from Dark Matter Energy Injection

Speaker

Ms Wenzer Qin

16:00