

Methodology and Epistemology in Cosmology Schedule

Friday 10 February

- 8:45-9:15: Breakfast
- 9:15 – 10:15: Kev Abazajian (UCI), “The Limits of Scientific Cosmology”
- 10:15 – 11:15: Anthony Aguirre (UCSC), “Cosmological intimations of aggravating infinities”
- 11:15 – 11:30: Coffee Break
- 11:30 – 12:30: Andy Albrecht (UCD), “Reflections on Cosmic Inflation”
- 12:30 – 2:00: Lunch
- 2:00 – 3:00: Feraz Azhar (Cambridge), “Three aspects of typicality in multiverse cosmology”
- 3:00 – 3:15: Coffee Break
- 3:15 – 4:15: Ashley Perko (Stanford), TBA
- 4:15 – 5:30: General Discussion

Saturday 11 February

- 8:45-9:15: Breakfast
- 9:15 – 10:15: Chris Smeenk (Western), “Challenges to Primordial Cosmology”
- 10:15 – 11:15: Sarah Shandera (Penn State), “Cosmology in a finite universe”
- 11:15 – 11:30: Coffee Break
- 11:30 – 12:30: Manoj Kaplinghat (UCI), “Can we understand the nature of dark matter if it does not interact with the known particles?”
- 12:30 – 2:00: Lunch
- 2:00 – 3:00: Claudia de Rham (Case Western), “Beyond Einstein”
- 3:00 – 3:15: Coffee Break
- 3:15 – 4:15: Eric Winsberg (USF), “ ‘Testing this Extraordinary Scenario’: Simulation and models of Big Bang cosmology”
- 4:15 – 5:15: Barry Madore (Carnegie Observatories), “A Philosophically-Informed and Computationally-Coordinated, Empirical Search for Pure Dark-Matter Galaxies”

Sunday 12 February

- 8:45-9:15: Breakfast
- 9:15 – 10:15: James Bullock (UCI), “Simulations and the Nature of Dark Matter”
- 10:15 – 11:15: Frank van den Bosch (Yale), “Numerical Simulations in Cosmology: tool kit or Pandora box?”
- 11:15 – 11:30: Coffee Break
- 11:30 – 1:00: General discussion