

# Ending Inflation and the Hot Big Bang

Events for:  
**Monday, June 5th - Friday, June 9th**

**Monday, June 5th**

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: Daniel Figueroa - SCGP 102**

**Speaker:** Daniel Figueroa

**Title:** Numerical Applications in Cosmology

10:30am **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Tom Giblin - SCGP 102**

**Speaker:** Tom Giblin

**Title:** Nonlinear gravity and cosmological processes

11:30am **Workshop: Mary Gerhardinger - SCGP 102**

**Speaker:** Mary Gerhardinger

**Title:** A Numerical UV Completion for Simulating Scalar Galileons

12:00pm **Workshop: Lunch - SCGP Cafe**

**Title:** Lunch

2:00pm **Workshop: William East - SCGP 102**

**Speaker:** William East

**Title:** Vortex Formation in Dark Photons

2:30pm **Workshop: Zach Weiner - SCGP 102**

**Speaker:** Zach Weiner

**Title:** Detectable, defect-free dark photon dark matter

3:00pm **Workshop: Tea - SCGP Cafe**

**Title:** Tea

3:30pm **Workshop: Discussion - SCGP 102**

**Title:** Discussion

**Tuesday, June 6th**

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: Adrienne Erickcek - SCGP 102**

**Speaker:** Adrienne Erickcek

**Title:** Early thermal history and Structure Formation

10:30am **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Valerio De Luca - SCGP 102**

**Speaker:** Valerio De Luca

**Title:** The cosmological evolution of Primordial Black Holes

11:30am **Workshop: Cyril Creque - Sarbinkowski - SCGP 102**

**Speaker:** Cyril Creque - Sarbinkowski

**Title:** Higgs Inflation and the Electroweak Gauge Sector

12:00pm **Workshop: Group Photo & Lunch - SCGP Cafe**

**Title:** Lunch

2:00pm **Workshop: Mustafa Amin - SCGP 102**

**Speaker:** Mustafa Amin

**Title:** A spin on wave dark matter -- small scale structure and a mass bound

2:30pm **Workshop: Kuver Sinha - SCGP 102**

**Speaker:** Kuver Sinha

**Title:** EMDEs, Axion Miniclusters, and WIMPs.

3:00pm **Workshop: Tea - SCGP Cafe**

**Title:** Tea

3:30pm **Workshop: Discussion - SCGP 102**

**Title:** Discussion

**Wednesday, June 7th**

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: Mark Trodden - SCGP 102**

**Speaker:** Mark Trodden

**Title:** Particle Cosmology

10:30am **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Andrew Long - SCGP 102**

**Speaker:** Andrew Long

**Title:** Making Dark Matter from Gravity

11:30am **Workshop: Sam Wong - SCGP 102**

**Speaker:** Sam Wong

**Title:** Tidal deformations of black holes beyond GR

12:00pm **Workshop: Lunch - SCGP Cafe**

**Title:** Lunch

2:00pm **Workshop: Gilly Elor - SCGP 102**

**Speaker:** Gilly Elor

**Title:** New Particles at Late Times

2:30pm **Workshop: Marcell Howard - SCGP 102**

**Speaker:** Marcell Howard

**Title:** An SZ-Like Effect On Stochastic Gravitational Wave Backgrounds

3:00pm **Workshop: Tea - SCGP Cafe**

**Title:** Tea

3:30pm **Workshop: Discussion - SCGP 102**

**Title:** Discussion

5:30pm **Workshop: Banquet - SCGP 102**

**Title:** Banquet

**Thursday, June 8th**

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: Michele Cicoli - SCGP 102**

**Speaker:** Michele Cicoli

**Title:** Ultralight axions in string cosmology

10:30am **Workshop: Coffee - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Georges Obied - SCGP 102**

**Speaker:** Georges Obied

**Title:** Dark Dimension Gravitons as Dark Matter

11:30am **Workshop: Naomi Gendler - SCGP 102**

**Speaker:** Naomi Gendler

**Title:** Axion-photon couplings and axion dark matter in string theory

12:00pm **Workshop: Lunch - SCGP Cafe**

**Title:** Lunch

2:00pm **Workshop: Manki Kim - SCGP 102**

**Speaker:** Manki Kim

**Title:** Recent progress on string loop corrections to the low-energy effective action of string compactifications

2:30pm **Workshop: Stephon Alexander - SCGP 102**

**Speaker:** Stephon Alexander

**Title:** New Directions in String Cosmology

3:00pm **Workshop: Tea - SCGP Cafe**

**Title:** Tea

3:30pm **Workshop: Discussion - SCGP 102**

**Title:** Discussion

**Friday, June 9th**

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: David Kaplan - SCGP 102**

**Speaker:** David Kaplan

**Title:** Alternatives to Inflation and Dark Matter

10:30am **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Mudit Jain - SCGP 102**

**Speaker:** Mudit Jain

**Title:** Polarized condensates in wave dark matter

11:30am **Workshop: Tucker Manton - SCGP 102**

**Speaker:** Tucker Manton

**Title:** Dynamical Chern-Simons and gravitational wave mediated particle production

12:00pm **Workshop: Lunch - SCGP Cafe**

**Title:** Lunch