

Cosmology After Planck

340 West Hall

Monday September 23, 2013

8:30 AM *Breakfast in 337 West Hall*

9:30 AM Huterer: welcome

9:40 AM Freese: science kick-off

9:55 AM Burgess

Post-Planck, Naturally

10:20 AM Peloso

Signatures of vector fields during inflation

10:45 AM *Morning Coffee Break in 337 West Hall*

11:15 AM Khoury

Status of alternatives to inflation after Planck

11:40 AM Olive

No-scale supergravity and Inflation after Planck.

12:05 PM Watson

The Post-Inflationary Universe After Planck

12:30 PM *Lunch*

2:00 PM Hanson

Measurements of B-mode polarization with SPTpol

2:35 PM Fraise

Planck and SPIDER

3:10 PM Keating

CMB Polarization and Fundamental Physics: Results from BICEP and POLARBEAR

3:35 PM *Refreshments and Coffee in 337 West Hall*

4:10 PM Loverde

Super cosmic variance

4:35 PM Shandera

Cosmic Variance from Mode Coupling

5:00 PM Sorbo

Chiral, nongaussian tensor modes from particle production during inflation

5:25 PM Ashoorioon

Reconciliation of high energy scale models of inflation with Planck

7:00 PM *Rocky Kolb public talk, Kraus 2140*

Tuesday September 24th, 2013

8:30 AM *Breakfast in 337 West Hall*

9:30 AM Afshordi Out of the White Hole: A Holographic Origin for the Big Bang

9:55 AM D'Amico Unwinding Inflation

10:20 AM *Morning Coffee Break in 337 West Hall*

10:50 AM Senatore The Effective Field Theory of Large Scale Structures

11:15 AM Pajer Effective Field Theory of Large Scale Structures

11:40 AM Geshnizjani accelerated expansion?

12:05 PM Mersini-Houghton Birth of the Universe from the Landscape Multiverse PostPlanck

12:30 PM *Lunch*

2:15 PM Flauger Planck Revisited

2:50 PM Starkman CMB anomalies

3:15 PM Kaloper

3:40 PM *Refreshments and Coffee in 337 West Hall*

4:20 PM McMahan ACTPol

4:45 PM Benson The South Pole Telescope

5:10 PM Marriage The Cosmology Large Angular Scale Surveyor

7:00 PM *Reception and Dinner @ Sava restaurant*

Wednesday September 25th, 2013

8:30 AM *Breakfast in 337 West Hall*

9:30 AM Wyman Chromo-Natural Inflation

9:55 AM Dvorkin Probing Dark Matter with the CMB and Large-Scale Structure

10:20 AM *Morning Coffee Break in 337 West Hall*

10:50 AM Agarwal

Probing the initial conditions of the Universe using large scale structure

11:15 AM Wu

Galaxies are not necessarily test particles

11:40 AM Ferraro

Forecasting Multi-Field Inflation: what halo bias can tell us

12:05 PM Miranda

Sharp features in non-canonical field models of inflation

12:30 PM *Lunch*

2:00 PM Das

CMB lensing: current status and future outlook

2:25 PM Rindler-Daller

Cosmological Constraints on Scalar-Field Dark Matter after PLANCK

2:50 PM Su

Non-linear Boltzmann Equation for the CMB

3:15 PM Lopez

Inflationary gravity waves with Advanced LIGO

3:25 PM Albrecht

New results on probability and measures for eternal inflation

3:50 PM *End of workshop*