

Session Program

28 November 2016 to 2 December 2016

CosPA 2016

***Cosmic microwave background and Large
Scale Structure***

Monday 28 November

14:00

Cosmic microwave background and Large Scale Structure

Session | **Location:** SNH, 4001 | **Convener:** Jan Hamann

14:00–14:20

New Measurements of CMB Polarisation from SPTpol

Speaker

Dr Christian Reichardt

14:20–14:40

First detection of Galaxy Cluster lensing in CMB polarisation

Speaker

Sanjaykumar Patil

14:40–15:00

Cosmology from CMB Polarization with POLARBEAR and the Simons Array

Speaker

Darcy Barron

15:00–15:20

Planck large scale polarization

Speaker

Dr Matthieu TRISTRAM

15:20–15:40

Oscillations in the CMB angular power spectra at $\ell \sim 120$

Speaker

Kouichirou Horiguchi

15:40

16:10

Cosmic microwave background and Large Scale Structure

Session | **Location:** SNH, 4001 | **Convener:** Luke Barnes

16:10–16:30

Distinguishing between Warm Dark Matter and Late Kinetic Decoupling using CMB spectral distortions.

Speaker

James Diacoumis

16:30–16:50

Axion as a cold dark matter candidate: Proof to fully nonlinear perturbation

Speaker

Jai-chan Hwang

16:50–17:10

Dark matter self annihilation in cosmological simulations

Speaker

Nikolas Iwanus

17:10–17:30

Unveiling the Signatures of an Evolving and Interacting Dark Sector

Speaker

Ms Eromanga Adermann

17:30–17:50

The Impact of Dark Sector Physics on Large-Scale Structure Topology

17:50

Speaker
Mr Andrew Watts

Tuesday 29 November

14:00

Cosmic microwave background and Large Scale Structure

Session | **Location:** SNH, 3001 | **Convener:** Dr David Parkinson

14:00–14:20

Relieving tensions related to the lensing of CMB temperature power spectra

Speaker

Dr Matthieu TRISTRAM

14:20–14:40

Planck constraints on scalar-tensor cosmology and the variation of the gravitational constant

Speaker

Junpei Ooba

14:40–15:00

Modeling bispectrum in redshift space from perturbation theory

Speaker

Mr Ichihiko Hashimoto

15:00–15:20

Testing Inflationary Models with Galaxy Formation Simulations

Speaker

Luke Barnes

15:20–15:40

Growth of perturbations in dark energy cosmologies

Speaker

Mohammad Malekjani

15:40

16:10

Cosmic microwave background and Large Scale Structure

Session | **Location:** SNH, 3001 | **Convener:** David Wiltshire

16:10–16:30

Magnetic fields at cosmological recombination

Speaker

Shohei Saga

16:30–16:50

Test of the Einstein equivalence principle with CMB spectral distortions

Speaker

Dr Hiroyuki Tashiro

16:50–17:10

Differential expansion and its observational impact in cosmology

Speaker

Krzysztof Bolejko

17:10–17:30

Shear and rotation in massive galaxy clusters

Speaker

Ahmad Mehrabi

17:30–17:50

Cosmological effects of Late Forming Dark Matter

17:50

Speaker

Mr Abir Sarkar