

MONDAY

Dark Matter I (Chair: Scott Watson)

SESSION 1 (MR2)

Mark Hindmarsh	Dark matter from decaying topological defects
Cora Dvorkin	Traces of dark matter annihilation in the CMB
Malcolm Fairbairn	Dark matter after the LHC
Krzysztof Turzyski	Gravitino dark matter with constraints from Higgs boson mass and sneutrino decays
Pyungwon Ko	Generic aspects of Higgs portal dark matter and Higgs phenomenology
Mustafa Amin	A Clash of Kinks: Ultra-relativistic Soliton Collision

Dark Matter II (Chair: Mark Hindmarsh)

Abril Suarez	Bose-Einstein condensate dark matter phase transition from finite temperature symmetry breaking
Thomas Flacke	Dark matter and collider signatures from extra dimensions
Andrei Khmelnitsky	Time-dependent gravitational potential signal from ultralight scalar dark matter
Fabio Capela	Constraints on primordial black holes as dark matter
Katherine Mack	Dark Matter Particle Physics in Cosmological Simulations
Scott Watson	Dark matter production mechanisms and implications for testing inflation with Planck

Inflation I (Chair: Sebastien Renaux-Petel)

SESSION 2 (MR3)

Tomohiro Fujita	Inflationary magnetogenesis
Thorsten Battefeld	Inflation on a random landscape
Jonathan Frazer	Predictions in multifield models of inflation
Layne Price	Multifield inflation: initial conditions and predictions
Mark Jackson	Effective field theory in inflation
Raphael Flauger	Towards Planck Constraints on Monodromy Inflation
Kohei Kamada	The electroweak vacuum stability during and after inflation
Valentin Assassi	Probing high-scale physics with Planck
M C David Marsh	Charting an Inflationary Landscape with Random Matrix Theory
Gabriele Trevisan	The physical squeezed limit: consistency relations at order q^2
Gonzalo Palma	Effective field theory of weakly coupled inflationary models
Laurence Perrault-Levasseur	Stochastic Formalism Revisited: A Self-Consistent Recursive Approach

Large-Scale Structure I (Chair: Daniel Baumann)

SESSION 3 (MR4)

Dan Thomas	Post-Newtonian effects in cosmology: $c \rightarrow \infty$ and beyond
Mathias Garny	On the non-linear scale of cosmological perturbation theory
Lorenzo Mercolli	Power- and bispectrum in the effective field theory of large scale structure
Thomas Tram	Cosmological perturbation theory in non-flat universes
Johannes Noller	On relativistic scalar fields and the quasi-static approximation
Wessel Valkenburg	Quantitative constraints on the Copernican Principle
Camille Bonvin	Measuring relativistic effects in large-scale structure
Ido Ben-Dayan	Dispersion of the luminosity distance as a cosmological probe
Alicia Bueno Beloso	The angular homogeneity scale of the universe
Tobias Baldauf	Halo clustering beyond the local bias model
Francesco Pace	Structure formation in non-minimally coupled dark energy models

TUESDAY

CMB (Chair: Antony Lewis)

SESSION 1 (MR2)

Renee Hlozek	Recent cosmological results from the Atacama Cosmology Telescope
Robert Crittenden	Intrinsic non-Gaussianity of the CMB
Simon Su	Non-linear Boltzmann equations on Cosmic Microwave Background
Cyril Pitrou	Weak lensing B-modes as a probe of local isotropy
Christian Fidler	Second Order intrinsic Non-Gaussianity of the cmb - SONG
Antony Lewis	Rayleigh scattering and the CMB
Stephen Feeney	Is there evidence for additional neutrino species from cosmology?
Benjamin Audren	Conservative constraints on homogeneous cosmology from Planck data
Marcel Schmittfull	On the joint analysis of CMB temperature and lensing-reconstruction power spectra
Samuel Flender	Small scale asymmetry in the cosmic microwave background
Helge Gruetjen	Towards efficient CMB analysis on a incomplete sky

Inflation II (Chair: David Wands)

SESSION 2 (MR3)

Juan Carlos Bueno Sanchez	The inflationary origin of the cold spot
Konstantinos Dimopoulos	Inflation with vector backreaction
David Lyth	The CMB asymmetry from inflation
Anupam Mazumdar	Reviewing the status of particle physics models of inflation
Paul McFadden	Holography for slow-roll inflation
Adam Solomon	Instabilities during Einstein-Aether Inflation

Non-Gaussianity (Chair: David Wands)

Sebastien Renaux-Petel	Primordial non-Gaussianities
James Fergusson	Non-Gaussianity after Planck
Raquel Ribeiro	A factorization theorem in the separate universe picture: from CMB to LSS
Teruaki Suyama	Statistics of general functions of a Gaussian field - application to non-Gaussianity from preheating
Jinn-Ouk Gong	Correlating correlation functions of the primordial perturbation
David Mulryne	Transporting non-Gaussianity from sub- to super-horizon scales

Large-Scale Structure II (Chair: Camille Bonvin)

SESSION 3 (MR4)

Bridget Falck	The Indra Suite of Simulations and the ORIGAMI Evolution of Structures
Aurel Schneider	Halo mass function and the free streaming scale
Shaun Hotchkiss	Implications of the stacked "integrated Sachs-Wolfe effect" from superstructures
Thomas Richardson	The density of dark matter at the centre of dwarf spheroidal galaxies
Petr Kaspar	Influence of backreaction on the expansion rate inside LRS class II family
Irene Balmes	DEUSS simulations: imprints of dark energy on the profile of dark matter halos
Song Chen	Fluctuation of number counts in the upcoming radio continue surveys
Carlos Martins	The UVES Large Programme for Testing Fundamental Physics
Victor Robles	Finite temperature scalar field halos and strong gravitational lensing constraints
Arino Prats Andreu	3D power spectrum of the flux field from cosmological simulations
Alberto Rozas-Fernandez	Phenomenology of unified dark matter

Dark Energy + Modified Gravity I (Chair: Anne Davis)

SESSION 4 (MR5)

Marco Crisostomi	Cosmology of dRGT massive bi-gravity
Ho-Ming Mok	Cosmological constant problem and equivalence principle of quantum gravity
Tomi Koivisto	On nonsingular gravity and the origin of cosmological structure
Tai-jun Chen	Higher derivative theories with constraints: exorcising Ostrogradski's ghost
Jeremy Sakstein	Stellar Oscillations in Modified Gravity
Danielle Wills	D-branes and the disformal dark sector

THURSDAY

Dark Energy + Modified Gravity II (Chair: Clare Burrage)

SESSION 1 (MR2)

Andrew Tolley	Galileon duality
Matteo Fasiello	The interplay of stability requirements and observations in massive gravity
Yashar Akrami	Cosmology of ghost-free bimetric gravity: generalised theory and late-time acceleration
Mustapha Ishak	Recent progress on testing general relativity at cosmological scales
Lucas Lombriser	Chameleon clusters in $f(R)$ gravity
Lasma Alberte	Massive gravity with two Stueckelberg fields
Jonathan Pearson	Parameterizing dark sector perturbations via equations of state
Robert Poltis	Gravitational Lensing and Time Delay in Chameleon Gravity
Carsten van de Bruck	Disformal couplings and cosmology
Kazunari Shima	Nonlinear supersymmetric general relativity theory and cosmological meanings
Rampey Kimura	Inevitable ghost in the decoupling limit of quasi-dilaton theory
Dominika Konikowska	Dilaton gravity in brane scenarios and the large-scale structure challenge

Inflation III (Chair: Ana Achucarro)

SESSION 2 (MR3)

Tomohiro Matsuda	Modulated decay and the curvaton mechanism
Rudnei Ramos	CMB constraints from WMAP and Planck on warm inflation models
Norihiro Tanahashi	Multi-field G-inflation
Michela D'Onofrio	Electrically charged curvaton (arXiv: 1207.1063)
Benedict Broy	Trans-Planckian considerations in inflationary cosmology
Carlos Nieto Guerrero	The levels of statistical anisotropy in the power spectrum of the curvature perturbation are scale-dependent: application to gauge-flation and hairy inflation

Inflation IV (Chair: Peter Adshead)

Yeinzon Rodriguez Garcia	The different varieties of the Suyama-Yamaguchi consistency relation
Joseph Elliston	What Planck does not tell us about inflation
Mark Wyman	Inflation from magnetic drift
Ana Achucarro	Inflation with a reduced speed of sound: correlating features in the primordial spectra
Lingfei Wang	CMB asymmetry from fast roll
Antonio L. Maroto	Isotropy theorem for cosmological vectors and higher spin fields

Primordial Cosmology (Chair: Raphael Flauger)

SESSION 3 (MR4)

Tomislav Prokopec	On the final state on de Sitter [based on arXiv:1304.0404]
Patrick Peter	Bouncing cosmologies: where do we stand after Planck?
Francisco Pedro	Extended no-scale structure and α^2 corrections to the type IIB action
Amjad Ashoorioon	Parametric resonance and gravitational wave production around the SUSY vacuum in gauged M-flaton
Matthew Williams	Accidental Supersymmetry and the Renormalization of Co-dimension 2 Branes
Leonardo Trombetta	Nonperturbative quantum field theory in curved spaces: de Sitter self-consistent solutions

Astro Particle (Chair: Raphael Flauger)

David Marsh	Cosmology of the string axiverse
Stephen Angus	Loop corrections to dark radiation production in LARGE volume models
Masaki Yamada	Opening the window to the co-genesis with Affleck-Dine mechanism in gravity mediation
Jean Racker	Mass bounds for thermal baryogenesis from particle decays
Tomohiro Nakama	Testing scenarios of primordial black holes being seeds of supermassive black holes by ultracompact minihalos

Phase Transitions (Chair: Eugene Lim)

SESSION 4 (MR5)

David Weir	Gravitational waves from the sound of a first order phase transition
Yuhei Miyamoto	The role of gauge fields in phase transitions in the early Universe
Yuki Watanabe	Gravitational modulated reheating and non-Gaussianity in supergravity R2 inflation
Laura Bethke	Anisotropic gravitational waves from preheating

Astro Particle II (Chair: Eugene Lim)

David Vrba	Modeling of inhomogeneity in Szekeres spacetime
Yi-Peng Wu	Curvature perturbation impulse from shift symmetry breaking
Martin Sahlen	Gravity quirks: non-linear nuisance or scaling sign?

Wan-Il Park	A portal extension of the standard model with an unbroken local dark U(1)
Mikjel Thorsrud	Infrared corrections to the primordial power spectrum in the f^2R^2 mechanism
Daisuke Yamauchi	Full-sky formulae for weak lensing power spectra from total angular momentum method