

The Most Ancient Heavens at the Royal Astronomical Society, London

Thursday 21st March

10.30 - 11.00 Coffee/Tea

Session Chair: Steve Warren

11.00 - 11.15 **Michele Dougherty** - Head of Physics at Imperial College - Welcome

11.15 - 11.40 **John Peacock** - Climbing favourite peaks with Alan

11.40 - 12.05 **Catherine Heymans** - Cosmic Shear from the Heavens Family Tree

12.05 - 12.30 **Ofer Lahav** - Mapping the Heavens: Inference, Compression and Machine Learning

12.30 - 13.30 Lunch

Session Chair: Emma Chapman

13.30 - 13.55 **Andrew Jaffe** - Lensing Bayesian Hierarchical Modelling

13.55 - 15.00 *Bitesized Talks: 12 mins each*

Hendrik Hildebrandt - Cosmology from the 9-band KiDS-VIKING Survey

Dan Jones - Photometric redshifts of blended sources

George Kyriacou - Applications of Bayesian inferred redshift distributions

Boris Leistedt - A data-driven model of quasar spectra

15.00 - 15.30 Coffee/Tea

Session Chair: Jonathan Pritchard

15.30 - 15.55 **Sabino Matarrese** - The physics of non-Gaussianity: theory and observational constraints

15.55 - 16.20 **Elena Sellentin** - Analytical representation of non-Gaussian random fields

16.20 - 17.15 *Bitesized Talks: 12 mins each*

Alexandra Amon - Lensing without borders

Arianna Renzi - Weak lensing distortions in the Kerr Metric: an asymmetry in the Heavens

Ben Panter - Blackford Analysis

Evening Thames Boat Trip

Friday 22nd March

Session Chair: [Andy Taylor](#)

09.30 - 09.55

Tom Kitching - 3D Cosmic Shear

09.55 - 11.00

Bitesized Talks: 12 mins each

Marika Asgari - Consistent cosmic shear analysis

Constance Mahony - Weak Lensing Magnification at LSST

Konrad Kuijken - SNAP-G

Dipak Munshi - Weak lensing beyond power-spectrum estimation

11.00 - 11.30

Coffee/Tea

Session Chair: [Bob Mann](#)

11.30 - 11.55

Rita Tojeiro - Galaxies and halos and stars and all: doing science the

Alan way

11.55 - 12.30

Bitesized Talks: 12 mins each

Gigi Guzzo - Tracing large-scale structure with galaxies: lessons learned with VIPERS

Daniele Sorini - Constraining models of galaxy formation with Ly α absorption around halos

12.30 - 13.30

Lunch

Session Chair: [Stefano Camera](#)

13.30 - 13.55

Raul Jimenez - Musings in the Corridor of Uncertainty: the Bayesian "Backstop"

13.55 - 15.00

Bitesized Talks: 12 mins each

Niall Jeffrey - Deep learning weak lensing maps: a Bayesian perspective

Florent Leclercq - Likelihood-free inference techniques for cosmology

Harry Mootooyaloo - Gaussian Process Emulator and Data

Compression for Weak Lensing Cosmology

Daniel Mortlock - Bayesian analysis of astronomical surveys with selection effects

15.00 - 15.30

Coffee/Tea

Session Chair: [Lance Miller](#)

15.30 - 15.55

Licia Verde - Knockin' on Heavens door

15.55 - 16.20

Peter Coles - The Open Journal of Astrophysics

16.20 - 16.45

Klaus Meisenheimer - From ROE coffee time to Tinto Hill — How a Postdoc Peer Became a Friend of our Family

16.45 - 17.00

Steve Warren - Closing Remarks

Evening

Drinks followed by Conference dinner