

Timeline Corfu TR33 meeting September 14-18, 2015



Chairperson

Mo Sep 14

9:15-9:30 Opening and Welcome:
L. Amendola, G. Zoupanos, C. Wetterich

G. Wolschin

9:30-10:30 Daniel Baumann (U Cambridge): From wires to cosmology

10:30-11:00 break

11:00-11:30 Kin-ya Oda (U Osaka): Eternal Higgs inflation

11:30-12:30 Dieter Lüst (LMU/MPP Munich): Large N Graviton Scattering and
Black Hole production

L. Amendola

16:00-17:00 Matthias Bartelmann (U Heidelberg): A microscopic approach to cosmic
structure formation

17:00-17:30 break

17:30-18:30 Stefano Borgani (INAF-AO Trieste): Galaxy clusters and cosmology

18:30-19:00 Salvador Salazar-Albornoz (LMU/MPE Munich): Clustering tomography on
the final BOSS DR12 galaxy sample

Di Sep 15

A. Sanchez

9:00-9:45 Will Percival (ICG Portsmouth): Baryon Acoustic Oscillation
measurements

9:45-10:30 Henk Hoekstra (U Leiden/ Observatory): Weak gravitational lensing by
large-scale structure

10:30-11:00 break

11:00-12:00 Valeria Pettorino (U Heidelberg): Overview of Planck 2015 results

12:00-12:30 Matteo Martinelli (U Heidelberg): Including birefringence into time evolution
of CMB: Current and future constraints

T. Reiprich

- 16:00-16:30 Matteo Maturi (U Heidelberg): The galaxy clusters project
- 16:30-17:00 Mauricio Carrasco (U Heidelberg): Predicting strong lensing regions in the sky
- 17:00-17:45 Esra Bulbul (SAO/ U Harvard): Dark matter searches in the X-ray band and the 3.55 keV line

18:00-20:00 TR33_PI-Meeting

Mi Sep 16

J. Jaeckel

- 9:00-9:45 Celine Boehm (U Durham): Dark matter interactions
- 9:45-10:30 Chris McCabe (U Amsterdam): Dark matter at the LHC
- 10:30-11:00 break

EXCURSION

Do Sep 17

W. Hillebrandt

- 9:00-10:00 Mark Sullivan (U Southampton): Supernovae as cosmological probes
- 10:00-10:30 Jeppe Trøst Nielsen (NBI Copenhagen): Calibratable standard candles
- 10:30-11:00 break
- 11:00-11:30 Markus Michael Rau (USM Munich): Accurate photometric redshift probability density estimate
- 11:30-12:30 Ed Copeland (U Nottingham): Dark Energy theory

D. Luest

- 16:00-16:30 Elena Giusarma (U Rome/INFN): Cosmological axion and neutrino mass constraints from Planck 2015 temperature and polarisation data
- 16:30-17:00 Jan Niklas Grieb (MPE Munich): Anisotropic Clustering Measurements using Fourier Space Wedges
- 17:00-17:30 break
- 17:30-18:15 Brian Dolan (NUI Maynooth): Black holes, Boyle's Law and the Quark-Gluon plasma
- 18:15-18:45 Holger Bech Nielsen (NBI Copenhagen, tba)

20:00 **GREEK NIGHT**

Fr Sep 18

V. Pettorino

- 9:00-10:00 Angris Schmidt-May (ETH Zuerich): Modified Gravity: Nonlinear interactions for massive spin-2 fields
10:00-10:30 Christian Arnold (U Heidelberg): Hydrodynamical simulations in $f(R)$ gravity
10:30-11:00 break

M. Drees

- 11:00-11:30 Alessia Platania (U Catania): Asymptotically safe inflation from quadratic gravity
11:30-12:00 Emmanuel Saridakis (U Baylor): Torsional modified gravity and cosmology
12:00-12:45 Chong-Sun Chu (NTHU Taiwan): IR effect in de Sitter space, screening of cosmological constant and inflation

M. Bartelmann

- 16:00-16:30 Yashar Akrami (U Heidelberg): Bimetric gravity is safe – or good always defeats evil
16:30-17:30 Joe Mohr (LMU Munich): Cluster Cosmology with eROSITA on SRG
17:30 Farewell: End of Conference

Spokespersons: Please allow for 10 min discussion time in each talk.

