

## Session Program

13-18 Dec 2015



# 28th Texas Symposium on Relativistic Astrophysics

## *04 - Dark energy*

International Conference Centre Geneva  
17 Rue de Varembé, 1211 Geneva

# Monday 14 December

14:00

## 04 - Dark energy

**Session** |

**Location:** International Conference Centre Geneva, Level 2, Room 14, 17 Rue de Varembe, 1211 Geneva |

**Convener:** Martin Kunz

14:00-14:27

### High redshift BAO from BOSS to eBOSS

**Speaker**

Dr Timothée Delubac

14:27-14:53

### Tracing dark energy with quasars.

**Speaker**

Justyna Średzińska

14:53-15:19

### Measuring cosmological parameters with GRBs: status and perspectives

**Speaker**

Lorenzo Amati

15:19-15:45

### The m-z relation for type Ia supernovae, locally inhomogeneous cosmological models, and the nature of dark matter

**Speaker**

Mr Phillip Helbig

15:45

16:15

## 04 - Dark energy

**Session** |

**Location:** International Conference Centre Geneva, Level 2, Room 14, 17 Rue de Varembe, 1211 Geneva |

**Convener:** Martin Kunz

16:15-16:40

### Using Atom Interferometry to Detect Chameleon Dark Energy

**Speaker**

Clare Burrage

16:40-17:05

### Causality in theories with more than one metric

**Speaker**

Ignacy Leonard Sawicki

17:05-17:29

### Dark energy as a fixed point of the Einstein Yang-Mills Higgs Equations

**Speaker**

Massimiliano Rinaldi

17:29-17:53

### Non-local gravity and comparison with observational datasets

**Speaker**

Yves Dirian

17:53-17:56

**Viability of a quintessence model with inverse power law potential as a dark energy candidate****Speaker**

Mr Erick Jonathan Almaraz Aviña

17:56-17:59

**Constraints on a DE parametrization using BAO and Forecasting for future surveys****Speaker**

Ms Mariana Jaber

17:59-18:02

**Force sensor for chameleon a candidate for dark energy****Speaker**

attaallah almasi

18:02-18:05

**Exploring the consequences of parameter values in cosmological models with CosmoEJS, an interactive package of cosmology Java simulations****Speaker**

Jacob Moldenhauer

18:05-18:08

**Testing the dark sector interaction by using the isolated galaxy pairs from SDSS DR10****Speaker**

Mr Hanwool Koo

18:08-18:11

**The gravitational polarization of the quantum vacuum as a possible solution to the dark energy problem****Speaker**

Dragan Hajdukovic

18:12-18:15

**Primordial perturbations in a bouncing Universe with quintessence****Speaker**

Anna Paula Bacalhau

18:15-18:18

**Refinements of Jungle Universes****Speaker**

Alicia Simon-Petit

18:18-18:45

**gap**

18:45

## Tuesday 15 December

14:00

### 04 - Dark energy

**Session** |

**Location:** International Conference Centre Geneva, Level 2, Room 14, 17 Rue de Varembe, 1211 Geneva |

**Convener:** Martin Kunz

14:00-14:26

#### Planck 2015 results on Dark Energy and Modified Gravity

**Speaker**

Matteo Martinelli

14:26-14:53

#### Tensions Between CMB and Weak Lensing Data Sets when Testing General Relativity

**Speaker**

Jason Dossett

14:53-15:19

#### Constraints on induced gravity dark energy models

**Speaker**

Mario Ballardini

15:19-15:45

#### Cold dark energy and cosmological parameter estimation

**Speaker**

Caroline Heneka

15:45