

## 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

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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