

Session Program

4-9 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

02 - Exact solutions

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Saturday 5 December

14:00

02 - Exact solutions

Session | Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembe, 1211 Geneva | Convener: Mustapha Ishak

14:00-14:21 Modelling inhomogeneous cosmologies with Numerical Relativity

Speaker
Dr Eloisa Bentivegna

14:21-14:42 Solving the Einstein-Maxwell Equations for the Dispersive Propagation of Light during Mixmaster Kasner Epochs and other Anisotropic Early-Universe Models

Speaker
Brett Bochner

14:42-15:03 Backreaction of voids in a Friedman background with constant w equation of state.

Speaker
Marco Bruni

15:03-15:24 Lense-Thirring precession in strong gravitational fields

Speaker
Dr Chandrachur Chakraborty

15:24-15:45 Inhomogeneous conformally flat models of the universe

Speaker
Mariusz Dabrowski

15:45

16:15

02 - Exact solutions

Session | Location: International Conference Centre Geneva, Level 2, Room 13 | Convener: Mustapha Ishak

16:15-16:35 First-order cosmological perturbations engendered by point-like masses: all scales covered

Speaker
Maxim Eingorn

16:35-16:55 On homogeneous and isotropic universe

Speaker
Mikhail Katanaev

16:55-17:15 Covariant Perturbations of the Scalar-Tensor Schwarzschild Black Hole

Speaker
Geraint Pratten

17:15-17:35 Confronting anisotropic cosmological models with real-time cosmology

Speaker

Wessel Valkenburg

18:45

17:35–18:45

Discussion session on averaging and backreaction in cosmology