

Session Program

4-9 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

09 - Cosmic neutrinos

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Sunday 6 December

14:00

09 - Cosmic neutrinos

Session |

Location: International Conference Centre Geneva, Level -1, Room 16, 17 Rue de Varembé, 1211 Geneva |

Convener: Julien Lesgourgues

14:00–14:21

Joint Constraints on Neutrino Masses from Cosmology and Particle Physics

Speaker

Martina Gerbino

14:21–14:42

Clustering, lensing, and ISW-RS from the DEMNUni neutrino simulations

Speaker

Dr Carmelita Carbone

14:42–15:03

Simulating the effect of massive neutrinos on large-scale structure

Speaker

Dr Simeon Bird

15:03–15:24

Neutrino masses and cosmology with Lyman-alpha forest power spectrum

Speaker

Christophe Yèche

15:24–15:45

Massive neutrinos and their effect on the large scale structure of the Universe

Speaker

Francisco Villaescusa-Navarro

15:45

16:15

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16:15–16:37

Constraining non-standard neutrino scenarios with Planck 2015

Speaker

Massimiliano Lattanzi

16:37–16:59

Sterile neutrinos with secret interactions

Speaker

Maria Archidiacono

16:59–17:20

Constraining sterile neutrinos with lyman alpha forest

Speaker

Dr Antonella Garzilli

17:20-17:41

A loophole to the electromagnetic cascade theory : Solving the lithium problem with a sterile neutrino.**Speaker**

Vivian Poulin

17:41-18:02

The effective number of neutrinos: standard and non-standard calculations**Speaker**

Pablo Fernández de Salas

18:02-18:22

Higher-order massive neutrino perturbations in large-scale structure**Speaker**

Florian Führer

18:22-18:42

Neutrinos beyond the linear regime: a new theoretical approach**Speaker**

Hélène DUPUY

18:42-18:45

Decoherence of cosmological massive neutrinos**Speaker**

Daniel Boriero

18:45