

Session Program

13-18 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

11 - Gravitational waves

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Wednesday 16 December

14:00

11 - Gravitational waves

Session |

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

Convener: Chiara Caprini

14:00-14:21

The quest for a stochastic background with LIGO/Virgo GW detectors

Speaker

Tania Regimbau

14:21-14:42

Cosmic variance in the nanohertz gravitational wave background

Speaker

Elinore Roebber

14:42-15:03

Gravitational Waves from a Dark Sector

Speaker

Pedro Klaus Schwaller

15:03-15:24

Acoustically generated gravitational waves from thermal first order phase transitions

Speaker

Mark Hindmarsh

15:24-15:45

Gravitational waves from a thermal first order phase transition: numerical simulations

Speaker

David Weir

15:45

16:15

11 - Gravitational waves

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Convener: Chiara Caprini

16:15-16:35

Late-time cosmology with eLISA

Speaker

Nicola Tamanini

16:35-16:55

Electromagnetic Emission from Compact Supermassive Black Hole Binaries

Speaker

Prof. Zoltan Haiman

16:55-17:15

The fate of Super Massive Black Holes in galaxy mergers

Speaker

Prof. Andres Escala

17:15-17:35

The underlying simplicity of precessing black-hole binaries

Speaker
Mark Hannam

17:35-17:55

Accurate Phenomenological Waveform Models for Black Hole Coalescence in the Frequency Domain

Speaker
Sascha Husa

17:55-18:15

Gravitational waveform from binary neutron star mergers: Numerical relativity and Effective-one body

Speaker
Kenta Hotokezaka

18:15-18:35

Gravitational Wave Signals from 3D Neutrino Simulations of Core-Collapse Supernovae Hydrodynamics

Speaker
Haakon Andresen

18:35-18:45 **gap**

18:45

Thursday 17 December

14:00

11 - Gravitational waves

Session |

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Convener: Chiara Caprini

14:00–14:20

Dynamics of compact binaries at the fourth post-Newtonian approximation

Speaker

Ms Laura BERNARD

14:20–14:40

A new instability to black-hole spin precession

Speaker

Davide Gerosa

14:40–15:00

Saturation of the f-mode instability in neutron stars

Speaker

Pantelis Pnigouras

15:00–15:03

Gravitational wave attenuation through interactions with charged particles

Speakers

Joseph Avenoso, Tyler Viducic

15:03–15:06

Search of the primordial gravitational waves with Very Long Baseline Interferometry

Speaker

Dr Oleg Titov

15:06–15:45

gap

15:45

16:15

11 - Gravitational waves: Pulsar Timing Array

Session |

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

Conveners: Victoria Kaspi, Michael Kramer

16:15–16:36

Gravitational waves from binary supermassive black holes missing in pulsar observations

Speaker

Dr Stefan Osłowski

16:36–16:57

Status of the European Pulsar Timing Array

Speaker

Gregory Desvignes

16:57–17:19

Search for continuous gravitational wave in EPTA dataset

Speaker

Dr Antoine Lassus

17:19–17:41

Limits on the amplitude of the nanohertz gravitational wave Universe from the European Pulsar Timing Array

Speaker

Dr Lindley Lentati

17:41–18:03

Lessons on massive black hole binaries from pulsar timing arrays

Speaker

Dr Alberto Sesana

18:03–18:25

Constraining the energy scale of cosmic strings with PTAs

Speaker

Dr Sotiris Sanidas

18:25–18:45

Pulsar timing detection of gravitational waves from supermassive black hole binaries in stellar environment

Speaker

Alexander Rasskazov

18:45