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

Convener: Chiara Caprini	Location: Inte	rnational Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 1211 Geneva
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 Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 1211 Geneva 1 Convener: Chiara Caprini Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 1211 Geneva 1 Convener: Chiara Caprini Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 1211 Geneva 1 Convener: Chiara Caprini Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 1211 Geneva 1 Convener: Chiara Caprini Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 1211 Geneva 1 Convener: Chiara Caprini Locatior Tamanini </td <td></td> <td></td>		
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Speaker	
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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

18:45

18:35-18:45 gap

Thursday 17 December

	11 - Gravitational waves
1	Session Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 1211 Geneva 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
:	11 - Gravitational waves: Pulsar Timing Array Session Location: International Conference Centre Geneva, Level 2, Room 13, 17 Rue de Varembé, 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 Oslowski
	16:36-16:57 Status of the European Pulsar Timing Array
	Speaker Gregory Desvignes

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

Alexander Rasskazov

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

Speaker

18:45