

Session Program

13-18 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

01 - Numerical relativity

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Thursday 17 December

14:00

01 - Numerical relativity

Session |

Location: International Conference Centre Geneva, Level 2, Room 14, 17 Rue de Varembe, 1211 Geneva |

Convener: Thomas Baumgarte

14:00–14:21

Merger of binary neutron stars: Gravitational waves and mass ejection

Speaker

Masaru Shibata

14:21–14:42

Magnetar formation from the merger of binary neutron stars

Speaker

Bruno Giacomazzo

14:42–15:03

Effect of Equation of State on Magnetized Binary Neutron Star Mergers

Speaker

Mr Takumu Kawamura

15:03–15:24

Rotation profile of neutron star merger remnants

Speaker

Wolfgang Kastaun

15:24–15:45

A Hamiltonian approach to relativistic fluid dynamics and binary inspiral

Speaker

Charalampos Markakis

15:45

16:15

01 - Numerical relativity

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16:15–16:35

CAFE: A relativistic Magnetohydrodynamics code

Speaker

Alejandro Cruz Osorio

16:35–16:55

Simulating the start of inflation from inhomogeneous initial conditions

Speaker

Dr William East

16:55–17:15

Critical Collapse of Radiation Fluids: Deviations from Spherical Symmetry

Speaker

Thomas Baumgarte

17:15-17:35

Evolution of a self-gravitating spherical massless scalar field on compactified constant mean curvature hypersurfaces

Speaker

Manuel David Morales

17:35-17:55

Black hole mimickers

Speaker

Mrs Daniela Perez

17:55-18:15

The nature of trapping horizons in collapses forming black holes

Speaker

Dr Ilia Musco

18:15-18:18

Asymptotic evolution of Robinson-Trautman spacetimes

Speaker

Alberto Saa

18:18-18:45

break

18:45