

Session Program

4-9 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

15 - Binaries

International Conference Centre Geneva
17 Rue de Varembé, 1211 Geneva

Saturday 5 December

14:00

15 - Binaries: HMXB

Session |

Location: International Conference Centre Geneva, Level 0, Room 3, 17 Rue de Varembe, 1211 Geneva |

Convener: Alessandro Papitto

14:00–14:26

Multi-wavelength variability of the gamma-ray binary LS I +61 303 along the super-orbital period

Speaker

Prof. Diego Torres

14:26–14:52

Interacting pulsar winds in X-ray and gamma-ray binaries

Speaker

Guillaume DUBUS

14:52–15:18

The gamma-ray monitoring of newly discovered Be/BH binary system MWC 656

Speaker

Pere Munar-Adrover

15:18–15:45

Making the Heaviest Elements in the Universe

Speaker

Friedrich Thielemann

15:45

16:15

15 - Binaries: HMXB

Session | **Location:** International Conference Centre Geneva, Level 0, Room 3 | **Convener:** Alessandro Papitto

16:15–16:40

Swift and the Supergiant Fast X-ray Transient outburst factory

Speaker

Patrizia Romano

16:40–17:05

High-mass X-ray binary systems through the eyes of INTEGRAL

Speaker

Alexander Lutovinov

17:05–17:25

Vela X-1 and sgHMXB: hydro driven hard X-rays

Speaker

Antonis Manousakis

17:25–17:45

Correlation study of spectral parameters of NS-HMXBs with Suzaku

Speaker

Ms Pragati Pradhan

17:45–18:05

Orbital resolved spectroscopy of GX 301-2 with MAXI

Speaker

Ms Nazma Islam

18:05-18:20

Broadband study of X-Per using Suzaku observations**Speaker**

Chandreyee Maitra

18:20-18:24

Orbital evolution and search for eccentricity and apsidal motion in the eclipsing HMXB 4U 1700-37**Speaker**

Ms Nazma Islam

18:24-18:27

Blowing in the wind : accretion in high mass X-ray binaries**Speaker**

Ileyk EL MELLAH

18:27-18:45

gap

18:45

Sunday 6 December

14:00

15 - Binaries: ULX and LMXB

Session | **Location:** International Conference Centre Geneva, Level 0, Room 3 | **Convener:** Alessandro Papitto

14:00–14:25 **The ultraluminous pulsar**

Speaker

Matteo Bachetti

14:25–14:50

Across the Eddington boundary: examining disc spectra at high accretion rates

Speaker

Andrew Sutton

14:50–15:20

Sub-Eddington accretion in neutron star X-ray binaries

Speaker

Rudy Wijnands

15:20–15:45

NuSTAR and XMM-Newton Observation of SAX J1808.4-3658 during the latest outburst

Speaker

Prof. Tiziana Di Salvo

15:45

16:15

15 - Binaries: ULX and LMXB

Session | **Location:** International Conference Centre Geneva, Level 0, Room 3 | **Convener:** Alessandro Papitto

16:15–16:35

Hot Plasma Emissions in the Ultra-compact Binary Pulsar 4U 1626-67

Speaker

Norbert S. Schulz

16:35–16:55

Luminosity dependent change of the emission diagram in the X-ray pulsar 4U 1626-67

Speaker

Dr Filippas Koliopanos

16:55–17:15

Presence of a third body orbiting around XB 1916-053.

Speaker

Prof. Rosario Iaria

17:15–17:35

Missing hard states and regular outbursts: the puzzling case of the BHC 4U 1630-472

Speaker

Dr Fiamma Capitanio

17:35-17:51

Glitches and anti-glitches in accreting pulsars: expected properties and observability

Speaker

Lorenzo Ducci

17:51-18:08

Understanding supernova kicks and black-hole spins in Galactic X-ray binaries

Speaker

Anastasios Fragkos

18:08-18:11

Angular momentum loss by gravitational radiation in x-ray binaries with neutron stars

Speakers

Kadri Yakut, Tuğçe İÇLİ

18:11-18:45

gap

18:45

Monday 7 December

14:00

15 - Binaries: Millisecond pulsars

Session | **Location:** International Conference Centre Geneva, Level 0, Room 3 | **Convener:** Alessandro Papitto

14:00–14:30 Millisecond pulsars: on their own, with a friend, or even two

Speaker

Dr Jason Hessels

14:30–14:55 THE YOUNG, RELATIVISTIC BINARY PULSAR J1906+0746

Speaker

Joeri van Leeuwen

14:55–15:15 Two new relativistic MSPs from the HTRU-North

Speaker

Marina Berezhina

15:15–15:45

Simultaneous X-ray and Radio observations of mode-switching radio pulsars PSR B0943+10 and PSR B1822-09

Speaker

Prof. Wim Hermsen

15:45

16:15

15 - Binaries: Millisecond pulsars

Session | **Location:** International Conference Centre Geneva, Level 0, Room 3 | **Convener:** Alessandro Papitto

16:15–16:45 Formation of millisecond pulsars and double neutron stars

Speaker

Thomas Tauris

16:45–17:10 Accretion and rotation power in ms pulsars

Speaker

Dr Alessandro Papitto

17:10–17:30

The peculiar X-ray variability of the transitional pulsar IGR J18245-2452

Speaker

Carlo Ferrigno

17:30–17:50

Simulations of the Magnetospheres of Accreting Millisecond Pulsars: Torque Enhancement, Spin Equilibrium, and Jet Power

Speaker

Dr Kyle Parfrey

17:50–18:05

3FGL J1544.6-1125: radio imaging analysis of newest transitional millisecond pulsar

Speaker

amruta jaodand

18:05-18:20

Orbitally Modulated High-Energy Emission from Black Widows and Redbacks**Speaker**

Dr Zorawar Wadiasingh

18:20-18:35

On the low magnetic fields of millisecond pulsars**Speaker**

Ms Marilyn Cruces

18:35-18:38

A Frequencies Shift in Relativistic Binary System (Theoretical Study)**Speaker**

Prof. Abd El Fady Morcos

18:38-18:41

Using millisecond pulsars to calibrate XMM/Newton onboard clock**Speaker**

Ms Marilyn Cruces

18:41-18:45

Clues to the evolution of helium WD-WD binaries from the Palomar Transient Factory**Speaker**

John Cannizzo

18:45