

MODEST-24: Exploring Dense Stellar Systems Across Cosmic Time

Thursday, 22 August 2024

Chris Belczynski memorial session on compact objects and gravitational wave sources: Afternoon Session 2 - Main Lecture

Hall (16:20 - 18:00)

time	[id] title	presenter
16:20	[150] The life and work of Prof. Chris Belczyński	BULIK, Tomasz
16:40	[41] Stellar-mass binary black hole mergers and dormant black hole-star binaries from young massive and open star clusters	BANERJEE, Sambaran
17:00	[123] Through the mantle of hydrogen: understanding mass transfer in black hole - star systems and the formation of binary black hole mergers	KLENCKI, Jakub
17:20	[40] The ones that got away: formation and evolution of intermediate-mass black holes in massive star clusters	MESTICHELLI, Benedetta
17:40	[108] Seeds to success: growing heavy black holes in dense star clusters.	PAIELLA, Lavinia

Friday, 23 August 2024

Chris Belczynski memorial session on compact objects and gravitational wave sources: IMBHs and massive black holes

(Morning Session 1) - Main Lecture Hall (09:00 - 10:20)

time	[id] title	presenter
09:00	[37] New evidence for an intermediate-mass black hole in ω Centauri	HÄBERLE, Maximilian
09:20	[12] Do Intermediate-Mass Black Holes Exist in Galactic Globular Clusters? - Clues From X-ray Observations and Hydrodynamical Simulations	SU, Zhao
09:40	[109] The case of an IMBH in the galactic centre: insights from N-body simulations	PANAMAREV, Taras
10:00	[11] Star cluster properties from intermediate-mass black hole mergers	KRITOS, Konstantinos

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(Morning Session 2) - Main Lecture Hall (10:45 - 12:25)

time	[id] title	presenter
10:45	[111] Formation of SMBH in galactic nuclei: LISA binaries & intermediate-mass ratio inspirals	ASKAR, Abbas
11:05	[9] Eccentric Mergers in AGN Discs: Influence of the Supermassive Black-Hole on Three-body Interactions	FABJ, Gaia
11:25	[29] SgrA \square spin and mass estimates through the detection of an extremely large mass-ratio inspiral	VAZQUEZ-ACEVES, Veronica
11:45	[50] Unveiling the Dance of Off-Center Black Hole Duets: Insights from Jacobi Capture in Dwarf Galaxies	FRANCOIS, Thibaut
12:05	[67] Can the X-ray binaries in M83 be the progenitors of gravitational waves sources for LIGO/VIRGO/KAGRA?	KOTKO, Iwona

Chris Belczynski memorial session on compact objects and gravitational wave sources: Afternoon Session 1 - Main Lecture

Hall (14:00 - 15:20)

time	[id] title	presenter
14:00	[66] Dynamical formation of binary black holes in massive star clusters: a cosmological approach	BRUEL, Tristan
14:20	[92] The Effect of Primordial Binaries and Cluster Dynamics on Binary Black Hole Mergers	BARBER, Jordan
14:40	[64] The role of massive star binarity in the creation of upper mass-gap and intermediate-mass black holes in dense star clusters	KHURANA, Ambreesh
15:00	[97] Constraining the features of the BBH mass distribution through population synthesis simulation	UGOLINI, Cristiano