

The 32nd Texas Symposium on Relativistic Astrophysics

Monday, December 11, 2023

GW Astrophysics: 13:30, Monday - Hall # 10 (1:40 PM - 3:20 PM)

-Conveners: Zhen Pan

time	[id]	title	presenter
1:40	P[70]	Distortion of gravitational-wave signals by astrophysical environments	CHEN, Xian
2:00	P[71]	Effective-One-Body Numerical-Relativity waveform model for Eccentric spin-precessing binary black hole coalescence	CAO, Zhoujian
2:20	P[26]	gravitational waveforms and sciences with binary-extreme-mass-ratio inspirals	HAN, Wenbiao
2:40	P[77]	Electromagnetic counterparts of neutron star mergers	BELOBORODOV, Andrei
3:00	P[248]	The Observational Signatures of Tertiary-Induced Mergers	SU, Yubo
3:10	P[123]	BH binary formation in AGN disks: dynamics, hydrodynamics, and GW signatures	LI, Jiaru

Tuesday, December 12, 2023

GW Astrophysics: 14:00, Tuesday - Hall # 10 (1:40 PM - 3:20 PM)

time	[id]	title	presenter
1:40 PM	M160]	Neutron star mergers, kilonovae, and the synthesis of heavy elements	SIEGEL, Daniel
2:00 PM	M27]	GW170817B - THE FIRST DIRECT DETECTION OF GRAVITATIONAL WAVES ASSOCIATED WITH A GRB	VAN PUTTEN, maurice
2:20 PM	M102]	On the Formation of Double Neutron Stars in the Milky Way Galaxy	Prof. LI, Xiangdong
2:40 PM	M249]	Testing the importance of the AGN channel for stellar binary black hole mergers	Prof. ROSSI, Elena Maria
2:50 PM	M222]	Black hole mergers and accretion in AGN disks	Dr LI, Yaping
3:00 PM	M1]	Probing stellar mass black hole orbits deep in galactic nuclei with quasi-periodic eruptions	PAN, Zhen

Thursday, December 14, 2023

GW Astrophysics: 14:00, Thursday - Hall # 10 (1:40 PM - 3:20 PM)

time	[id]	title	presenter
1:40 PM	[69]	Extreme Mass Ratio Inspirals: Formation, Dynamics and Astrophysical Applications	YANG, Huan
2:00 PM	[77]	Electromagnetic emission from merging black hole binaries	HAIMAN, Zoltan
2:20 PM	[305]	3D Dynamics of Embedded Stellar-Mass Binary Black Holes within AGN Disks and their Feedback Effects	Prof. LI, Hui
2:40 PM	[87]	Superradiant clouds in binaries	ZHANG, Jun
2:50 PM	[105]	Disappearing thermal X-ray emission as a tell-tale signature of merging massive black hole binaries	KRAUTH, Luke
3:00 PM	[164]	Gravitational Waves from Coalescing Black Hole Binaries in Observed Early Quasar Populations	INAYOSHI, Kohei
3:10 PM	[268]	Uncovering a hidden black hole binary from secular eccentricity variations of a tertiary star	LIU, Bin

Friday, December 15, 2023

GW Astrophysics: Friday - Hall # 10 (8:40 AM - 10:20 AM)

time	[id] title	presenter
8:40 AM	[M282] Probing the Origin of Black Hole Binary Mergers with Gravitational Wave Modulations	Prof. SAMSING, Johan
9:00 AM	[M196] Future facilities for electromagnetic observations of dual and binary SMBHs	LIU, Xin
9:20 AM	[M259] Gravitational Lensing of Gravitational Wave Events and Their Applications	Prof. LU, Youjun
9:40 AM	[M183] Shape eccentricity and the moment of inertia for rotating neutron stars	SHAO, Lijing
10:00 AM	[M73] GW Results from the European Pulsar Timing Array	CHEN, Siyuan
10:10 AM	[S1] Testing fundamental physics with PTA and astrometry measurements of stochastic gravitational wave background	LIN, Meng-Xiang