



# The 32nd Texas Symposium on Relativistic Astrophysics

Monday, December 11, 2023

Accretion Processes: 15:50, Monday - Hall # 10 (3:50 PM - 5:30 PM)

-Conveners: Yosuke Mizuno; Hua Feng

time	[id]	title	presenter
3:50 P	[M39]	Highlights of Insight-HXMT on Accreting BH and NS X-ray Binaries	ZHANG, Shuang-Nan
4:15 P	[M128]	Fast X-ray variability of a new high-mass X-ray binary MAXI J0709-159 / LY Cma observed by MAXI and NICER	SUGIZAKI, Mutsumi
4:27 P	[M78]	outburst of SLX 1746—331 observed by Insight-HXMT and NICER	ZHANG ET AL., Shu
4:39 P	[M84]	Magnetic fields and outflows in X-ray binaries and changing look AGNs	Prof. CAO, Xinwu
4:59 P	[M221]	Accretion regimes in accreting X-ray pulsars	JI, Long
5:11 P	[M163]	High Resolution Spectra of the Galactic Binary Pulsar 4U 1907+09	Dr YANG, Jun

## Tuesday, December 12, 2023

Accretion Processes: 16:10, Tuesday - Hall # 10 (3:50 PM - 5:30 PM)

-Conveners: Yosuke Mizuno; Yue Shen

time	[id]	title	presenter
3:50	PM10	Towards a new generation of reflection models for precision measurements of accreting black holes	BAMBI, Cosimo
4:02	PM38	A Phase-Resolved View to the Low-frequency Quasi-periodic Oscillations from the Black Hole Binary MAXI J1820+070	SHUI, Qingcang
4:14	PM97	Accretion-modified stars in active galactic nuclei: theory and observations	Prof. WANG, Jian-Min
4:39	PM75	Interplay between the Nearby Massive Black Holes and Their Close Environment	LI, Zhiyuan
4:59	PM114	Observational properties and physical mechanism for Changing-look AGNs	Prof. WU, Qingwen
5:11	PM9	Thermal bremsstrahlung emission from accretion disc in non-Kerr spacetime	PATRA, Subhankar
5:11	PM323	Poster flash talk	
5:12	PM12	Testing The Kerr Paradigm Through Synchrotron Radiation	Dr GHASEMI NODEHI, Masoumeh
5:14	PM18	Shadow Cast by a Rotating Black Hole	Dr IFTIKHAR, Sehrish
5:15	PM30	The Hard-to-soft transition of GX 339-4 as seen by Insight—HXMT	LIU, Honghui
5:16	PM95	Wideband study of black hole X-ray binaries observing by XTE: time delay between Compton and optical and Infrared flare	DU, Dizhan
5:17	PM101	Utilize EHT to search for axions.	LIU, Yuxin
5:18	PM147	A Study of the Continuum Emission Spectrum from the Central Engine in Narrow-line Seyfert Galaxies	许, 海潮
5:19	PM149	spin of 4u 1543-47	陈, 佳诗
5:20	PM153	Spectra and light curves of the radiative reprocessing in a stable envelope	CHEN, Chun
5:21	PM156	Numerical Simulations of Relativistic Radiatively driven Jets	JOSHI, RAJ KISHOR
5:22	PM191	Moving Corona and the Line Profile of the Relativistic Broad Iron Emission Line	Mr FENG, Yuan
5:23	PM192	The Role of Outflow Feedback on Accretion of Compact Objects in Accretion Disk of Active Galactic Nuclei	陈, 悬
5:24	PM214	Impacts of non-thermal emission on the images of black hole shadow and extended jets in two-temperature GRMHD simulations	ZHANG, Mingyuan
5:25	PM223	Physical Analysis of Rastall PFRF Black Hole Through Accretion Process	ABBAS, Ghulam
5:26	PM284	A possible overall scenario for the outburst evolution of MAXI J1820+070 revealed by Insight-HXMT	PENG, jingqiang
5:27	PM300	Interacting Kilonovae: Long-lasting Electromagnetic Counterparts to Binary Mergers in the Accretion Disks of Active Galactic Nuclei	REN, jia
5:28	PM303	Black Hole shadow from Loop Quantum Black Hole	Mr JIANG, Hongxuan

# Wednesday, December 13, 2023

Accretion Processes: 13:30, Wednesday - Hall # 10 (1:40 PM - 3:20 PM)

-Conveners: Yosuke Mizuno; Xinwu Cao

time	[id]	title	presenter
1:40	P[242]	The EHT tale of two black hole images: recent results and future prospects	LU, Rusen
2:05	P[80]	Flares and ejections from black hole accretion flows	YUAN, Feng
2:30	P[209]	Magnetic Flux Rope and the Flares in Sgr A* from 3D Two-Temperature GRMHD Simulations	Mr JIANG, Hongxuan
2:42	P[85]	Supercritical accretion onto compact objects and massive disk winds	Prof. FENG, Hua
3:02	P[241]	Modeling the inner part of the jet in M87: confronting jet morphology with theory	YANG, Hai

# Thursday, December 14, 2023

Accretion Processes: Thursday - Hall # 10 (3:50 PM - 5:30 PM)

-Conveners: Yosuke Mizuno

time	[id]	title	presenter
3:50 PM	M79]	Numerical simulations of super-Eddington accretion flows	OHSUGA, Ken
4:15 PM	M216]	Simulating Super-Eddington Accretion and Outflow Around Stellar-Mass Black Holes	KWAN, Tom Man
4:27 PM	M8]	Accretion onto black holes with saturated magnetic pressure: from numerical simulations to an analytical model	HUANG, Jiahui
4:39 PM	M141]	Accreting Supermassive Black Hole Binaries in the Gravitational Wave driven regime	GOLD, Roman
5:04 PM	M208]	X-ray Reflection from Super-Eddington Accretion Flows	ZHANG, Zijian
5:16 PM	M32]	X-ray Properties of the BHC MAXI J0637-430 during its 2019-20 Outburst	Dr CHATTERJEE, Kaushik

## Friday, December 15, 2023

Accretion Processes: Friday - Hall # 10 (10:50 AM - 12:30 PM)

-Conveners: Roman Gold

time	[id]	title	presenter
10:50	<del>A10</del>	Variability of Active Galactic Nuclei	SHEN, Yue
11:15	<del>A9</del>	Wind from black hole accretion disk in AGNs	BU, Defu
11:27	<del>A30</del>	Investigation into the excess infrared emission detected from the west hot spot of the radio galaxy Pictor A: a possible evidence of the turbulence acceleration.	ISOBE, Naoki
11:39	<del>A20</del>	A surprising excess of radio emission in extremely stable quasars: a unique clue to jet launching?	CAI, Zhen-Yi
11:51	<del>A08</del>	Standing shocks in accretion flows around black holes and associated observational signatures	SINGH, Chandra Bahadur
12:03	<del>P100</del>	Helical and nonhelical large-scale dynamos in thin accretion discs	ZHOU, Hongzhe
12:15	<del>P206</del>	High-soft to low-hard state transition in black hole X-ray binaries	DIHINGIA, Indu Kalpa