



# The 32nd Texas Symposium on Relativistic Astrophysics

## Monday, 11 December 2023

Accretion Processes: 15:50, Monday - Hall # 10 (15:50 - 17:30)

-Conveners: Yosuke Mizuno; Hua Feng

time	[id] title	presenter
15:50	[39] Highlights of Insight-HXMT on Accreting BH and NS X-ray Binaries	ZHANG, Shuang-Nan
16:15	[128] Fast X-ray variability of a new high-mass X-ray binary MAXI J0709-159 / LY Cma observed by MAXI and NICER	SUGIZAKI, Mutsumi
16:27	[78] outburst of SLX 1746—331 observed by Insight-HXMT and NICER	ZHANG ET AL., Shu
16:39	[84] Magnetic fields and outflows in X-ray binaries and changing look AGNs	Prof. CAO, Xinwu
16:59	[221] Accretion regimes in accreting X-ray pulsars	JI, Long
17:11	[163] High Resolution Spectra of the Galactic Binary Pulsar 4U 1907+09	Dr YANG, Jun

## Tuesday, 12 December 2023

Accretion Processes: 16:10, Tuesday - Hall # 10 (15:50 - 17:30)

-Conveners: Yosuke Mizuno; Yue Shen

time	[id] title	presenter
15:50	[10] Towards a new generation of reflection models for precision measurements of accreting black holes	BAMBI, Cosimo
16:02	[38] A Phase-Resolved View to the Low-frequency Quasi-periodic Oscillations from the Black Hole Binary MAXI J1820+070	SHUI, Qingcang
16:14	[97] Accretion-modified stars in active galactic nuclei: theory and observations	Prof. WANG, Jian-Min
16:39	[75] Interplay between the Nearby Massive Black Holes and Their Close Environment	LI, Zhiyuan
16:59	[114] Observational properties and physical mechanism for Changing-look AGNs	Prof. WU, Qingwen
17:11	[9] Thermal bremsstrahlung emission from accretion disc in non-Kerr spacetime	PATRA, Subhankar
17:11	[323] Poster flash talk	
17:12	[12] Testing The Kerr Paradigm Through Synchrotron Radiation	Dr GHASEMI NODEHI, Masoumeh
17:14	[18] Shadow Cast by a Rotating Black Hole	Dr IFTIKHAR, Sehrish
17:15	[30] The Hard-to-soft transition of GX 339-4 as seen by Insight—HXMT	LIU, Honghui
17:16	[95] Wideband study of black hole X-ray binaries observing by XTE: time delay between Compton and optical and Infrared flare	DU, Dizhan
17:17	[101] Utilize EHT to search for axions.	LIU, Yuxin
17:18	[147] A Study of the Continuum Emission Spectrum from the Central Engine in Narrow-line Seyfert Galaxies	许, 海潮
17:19	[149] spin of 4u 1543-47	陈, 佳诗
17:20	[153] Spectra and light curves of the radiative reprocessing in a stable envelope	CHEN, Chun
17:21	[156] Numerical Simulations of Relativistic Radiatively driven Jets	JOSHI, RAJ KISHOR
17:22	[191] Moving Corona and the Line Profile of the Relativistic Broad Iron Emission Line	Mr FENG, Yuan
17:23	[192] The Role of Outflow Feedback on Accretion of Compact Objects in Accretion Disk of Active Galactic Nuclei	陈, 悬
17:24	[214] Impacts of non-thermal emission on the images of black hole shadow and extended jets in two-temperature GRMHD simulations	ZHANG, Mingyuan
17:25	[223] Physical Analysis of Rastall PFRF Black Hole Through Accretion Process	ABBAS, Ghulam
17:26	[284] A possible overall scenario for the outburst evolution of MAXI J1820+070 revealed by Insight-HXMT	PENG, jingqiang
17:27	[300] Interacting Kilonovae: Long-lasting Electromagnetic Counterparts to Binary Mergers in the Accretion Disks of Active Galactic Nuclei	REN, jia
17:28	[303] Black Hole shadow from Loop Quantum Black Hole	Mr JIANG, Hongxuan

# Wednesday, 13 December 2023

Accretion Processes: 13:30, Wednesday - Hall # 10 (13:40 - 15:20)

-Conveners: Yosuke Mizuno; Xinwu Cao

time	[id] title	presenter
13:40	[242] The EHT tale of two black hole images: recent results and future prospects	LU, Rusen
14:05	[80] Flares and ejections from black hole accretion flows	YUAN, Feng
14:30	[209] Magnetic Flux Rope and the Flares in Sgr A* from 3D Two-Temperature GRMHD Simulations	Mr JIANG, Hongxuan
14:42	[85] Supercritical accretion onto compact objects and massive disk winds	Prof. FENG, Hua
15:02	[241] Modeling the inner part of the jet in M87: confronting jet morphology with theory	YANG, Hai

# Thursday, 14 December 2023

## Accretion Processes: Thursday - Hall # 10 (15:50 - 17:30)

-Conveners: Yosuke Mizuno

time	[id] title	presenter
15:50	[79] Numerical simulations of super-Eddington accretion flows	OHSUGA, Ken
16:15	[216] Simulating Super-Eddington Accretion and Outflow Around Stellar-Mass Black Holes	KWAN, Tom Man
16:27	[8] Accretion onto black holes with saturated magnetic pressure: from numerical simulations to an analytical model	HUANG, Jiahui
16:39	[141] Accreting Supermassive Black Hole Binaries in the Gravitational Wave driven regime	GOLD, Roman
17:04	[208] X-ray Reflection from Super-Eddington Accretion Flows	ZHANG, Zijian
17:16	[32] X-ray Properties of the BHC MAXI J0637-430 during its 2019-20 Outburst	Dr CHATTERJEE, Kaushik

## Friday, 15 December 2023

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

-Conveners: Roman Gold

time	[id] title	presenter
10:50	[210] Variability of Active Galactic Nuclei	SHEN, Yue
11:15	[99] Wind from black hole accretion disk in AGNs	BU, Defu
11:27	[59] 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	[20] A surprising excess of radio emission in extremely stable quasars: a unique clue to jet launching?	CAI, Zhen-Yi
11:51	[108] Standing shocks in accretion flows around black holes and associated observational signatures	SINGH, Chandra Bahadur
12:03	[190] Helical and nonhelical large-scale dynamos in thin accretion discs	ZHOU, Hongzhe
12:15	[296] High-soft to low-hard state transition in black hole X-ray binaries	DIHINGIA, Indu Kalpa