



# The 32nd Texas Symposium on Relativistic Astrophysics

## Tuesday, December 12, 2023

Plasma Astrophysics: 16:10, Tuesday - Hall # 9 (3:50 PM - 5:30 PM)

-Conveners: Longqing Yi

time	[id]	title	presenter
3:50 PM	M175]	Fast dissipation of magnetic energy near compact objects	Prof. BELOBORODOV, Andrei
4:15 PM	M68]	Upstream plasma waves and downstream magnetic reconnection in a reforming quasi-parallel shock	陆, 全明
4:40 PM	M181]	Non-thermal processes in relativistic outflows	REVILLE, Brian
5:05 PM	M267]	High-intensity laser driven collisionless electrostatic shock and ion acceleration in a multicomponent plasma	SAKAWA, Youichi

# Wednesday, December 13, 2023

Plasma Astrophysics: 13:30, Wednesday - Hall # 9 (1:40 PM - 3:20 PM)

-Conveners: Zhengming Sheng

time	[id]	title	presenter
1:40	P[M155]	Energy partition in high Mach number collisionless shocks	FIUZA, Frederico
2:05	P[M187]	Relativistic electron injection acceleration in laser-driven magnetic reconnection plasmas	Mr ZHONG, Jiayong
2:30	P[M228]	Upper Field-strength Limit of Fast Radio Bursts	Prof. WU, Hui-Chun
2:55	P[M28]	Towards a unified picture of energy partition in high Alfvén Mach number collisionless shocks	VANTHIEGHEM, Arno
3:07	P[M91]	Electromagnetic fireworks from erupting magnetars	MAHLMANN, Jens

## Friday, December 15, 2023

Plasma Astrophysics: Friday - Hall # 9 (10:50 AM - 12:30 PM)

-Conveners: Brian Reville

time	[id]	title	presenter
10:50	[A6]	Magnetogenesis in a collisionless plasma: from Weibel instability to turbulent dynamo	ZHOU, Muni
11:15	[A6]	MHD-PIC Simulations of the Cosmic-ray Gyro-resonant Instabilities	BAI, Xuening
11:40	[A]	Ultrafast variability in AGN jets: intermittency and lighthouse effect	SOBACCHI, Emanuele
11:52	[A8]	Magnetic Field Amplification Driven by a Relativistic Shock-Clump Interaction in Collisionless Plasma Systems	TOMITA, Sara
12:04	[P7]	One-dimensional force-free numerical simulations of Alfvén waves around a spinning black hole	KOIDE, Shinji
12:16	[P87]	Acceleration of plasma ions driven by high-energy lepton flows via the Weibel instability	SHENG, Zhengming