



# The 32nd Texas Symposium on Relativistic Astrophysics

## Monday, December 11, 2023

Plenary Talk: Monday 08:40 - Ballroom (8:40 AM - 10:20 AM)

-Conveners: Dong Lai

time	[id]	title	presenter
8:40 AM	A1290]	TDLI Director Welcome	Prof. ZHANG, Jie
8:45 AM	A1327]	The First Texas Symposium on Relativistic Astrophysics: A Historic Perspective, Sixty Years Later (online)	Prof. THORNE, Kip
9:10 AM	A1328]	The Kerr Solution, Black Holes, Quasars and Beyond (online)	Prof. KERR, Roy
9:30 AM	A1279]	Advances and challenges in solving the two-body problem in General Relativity	Prof. BUONANNO, Alessandra

Plenary Talk: Monday 10:50 - Ballroom (10:50 AM - 12:30 PM)

-Conveners: Ue-Li Pen

time	[id]	title	presenter
10:50	A1104]	The Future of Black Hole Imaging	GAMMIE, Charles
11:40	A1109]	The Discovery of Fast Radio Bursts	BAILES, Matthew

## Tuesday, December 12, 2023

### Plenary Talk: 08:40, Tuesday - Ballroom (8:40 AM - 10:20 AM)

-Conveners: Jane Dai

time	[id]	title	presenter
8:40 AM	A[286]	Supermassive Black Holes at the Centers of Galaxies	MA, Chung-Pei
9:30 AM	A[257]	Applied Black Hole Dynamics: Transients from Galactic Nuclei	STONE, Nicholas

### Plenary Talk: 10:50, Tuesday - Ballroom (10:50 AM - 12:35 PM)

-Conveners: Dong Lai

time	[id]	title	presenter
10:50 AM	A[217]	Neutron Star Mergers: New Frontiers in Computational Relativistic Astrophysics	MOST, Elias
11:40 AM	A[185]	The First Evidence for Nanohertz-frequency Gravitational Waves	TAYLOR, Stephen
12:15 PM	P[275]	CPTA progress and DR1.0	LEE, keja

# Wednesday, December 13, 2023

## Plenary Talk: 08:40, Wednesday - Ballroom (8:40 AM - 10:20 AM)

-Conveners: Bing Zhang

time	[id]	title	presenter
8:40 AM	[M25]	The Landscape of Relativistic Stellar Explosions	HO, Anna
9:30 AM	[M150]	Plasma astrophysics of high-energy environments	SPITKOVSKY, Anatoly

## Plenary Talk: 10:50, Wednesday - Ballroom (10:50 AM - 12:30 PM)

-Conveners: Shuang-Nan Zhang

time	[id]	title	presenter
10:50 AM	[M253]	Cosmic-Ray Super-PeVatron and Other Discoveries by LHAASO	Prof. CAO, zhen
11:40 AM	[M71]	Particle acceleration: theory versus observations	Prof. AHARONIAN, Felix

# Thursday, December 14, 2023

## Plenary Talk: Thursday - Ballroom (8:40 AM - 10:20 AM)

-Conveners: Pengjie Zhang

time	[id]	title	presenter
8:40 AM	[M265]	Cosmic Structure and the Nature of Dark Matter	WHITE, Simon
9:30 AM	[M49]	Cosmology with large-scale structure	HOEKSTRA, Henk

## Plenary Talk: Thursday - Ballroom (10:50 AM - 12:30 PM)

-Conveners: Xiaohu Yang

time	[id]	title	presenter
10:50 AM	[M246]	Dark matter laboratory search overview	LIU, Jianglei
11:40 AM	[M256]	A minimal SM/LCDM cosmology	TUROK, Neil