



# The 32nd Texas Symposium on Relativistic Astrophysics

Wednesday, 13 December 2023

Poster: Poster Viewing (15:20 - 15:30)

## Friday, 15 December 2023

Poster (14:45 - 15:45)

[id] title	presenter	board
[116] A multi-zone view on the multi-wavelength emission of blazars	TAN, Hongbin	
[307] Star Formation Activity and Cosmic Rays Acceleration in Starburst Galaxies	OU, Ziwei	
[178] Matching Neutrino-Dark Matter Scattering Limits from Boosted Dark Matter and Neutrino Echo using Supernovae Neutrino Flux	JIN, Miaothen	
[237] Mirage Sources and Large Offsets: Interconnected Phenomena in Asymmetric Diffusion and projection effects	BAO, Yiwei	
[292] A Camera-based Optical Calibration System for Water-based Neutrino Telescopes	TIAN, Wei	
[294] Shower Reconstruction in TRIDENT	MORTON-BLAKE, Iwan	
[60] Dark Matter Direct Detection with XENONnT: the Latest Result	LIU, Kexin	
[243] Variations of Small-scale Cosmic Ray Anisotropies with Time and Energy	BIAN, Wenyi	
[261] Dark Matter Annihilation via Breit-Wigner Enhancement with Heavier Mediator	CHENG, Yu	
[304] Detectability of very-high-energy counterpart of gravitational waves	LIN, Haoxiang	
[295] Extending JUNO' s Astrophysical Reach with a Low-Energy Multi-Messenger Trigger System	MORTON-BLAKE, Iwan	
[317] Recent Discoveries of TeV Halos	ZHOU, Hao	
[64] Fast Radio Bursts in the Fireball Paradigm	IOKA, Kunihiro	
[11] The unusually high activity of supermassive black holes is associated with their close binarity	VOLVACH, Alexandr	
[57] A broken universal relation for neutron stars in a scalar-Gauss-Bonnet gravitational theory	XU, Rui	
[66] Searching Gravitational-Wave Bursts with Space-Borne Detectors	WU, Zheng	
[29] Stability of Compact Stellar Anisotropic Objects in Modified Theory of Gravity	SHARIF, Muhammad	
[138] An Explanation for Overrepresentation of Tidal Disruption Events in Post-starburst Galaxies	WANG, mengye	
[289] The magnetohydrodynamic-particle-in-cell module in ATHENA ++	SUN, Xiaochen	
[220] Physical Aspects of Cosmic Parameters in Modified Theory of Gravity	RANI, Shamaila	
[74] SgrA* spin and mass estimates through the detection of an extremely large mass-ratio inspiral	VAZQUEZ ACEVES, Veronica	
[112] The high-energy neutrino emission from tidal disruption event outflow-cloud interactions	WU, hanji	
[44] The indications of GRB 221009A TeV emission	ZOU, Yuanchuan	
[151] 用强引力透镜化的引力波测量哈勃常数	黄, 顺佳	

[65] Flares from stars crossing active galactic nuclei disks on low-inclination orbits	TAGAWA, Hiromichi	
[312] Development of a lake array proposal for SWGO	ZHOU, Hao	
[270] Forbidden Dark Matter Combusted Around Supermassive Black Hole	SHENG, Jie	
[137] Imprints of cosmic reionization as a probe of dark matter nature in the post-reionization era	ZHANG, Yao	
[311] Data gaps inpainting for space-based gravitational-wave detectors	WANG, Lu	
[43] 21cm signal sensitivity to dark matter decay	QIN, Yuxiang	
[142] The Impact of Stellar-mass Primordial Black Holes on Early Cosmic History	ZHANG, Saiyang	
[310] An overview of the instrument, observations and preliminary results of CONCERTO	HU, Wenkai	
[320] Unified Scheme of Multiscale Astrophysical Jets	OU, Ziwei	
[19] From ZAMS to Merger: Detailed Binary Evolution Models of Coalescing Neutron Star-Black Hole Systems at Solar Metallicity	XING, Zepei	
[157] Parameter Estimation of Stellar Mass Binary Black Holes under the Network of TianQin and LISA	吕, 翔宇	
[278] Head-on collisions of $\ell$ -boson stars	DEGOLLADO, Juan Carlos	
[266] Dynamical tidal Love numbers of Kerr-like compact objects	CHAKRABORTY, Sumanta	
[306] Gravitational waveforms from the inspiral of compact binaries in the Brans-Dicke theory in an expanding Universe	LIU, Tan	
[299] Stochastic Gravitational Wave Background from Stellar Compact Binaries and Gravitational Wave Multiband Observations from Stellar Binary Black Holes	ZHAO, Yuetong	
[309] Adaptive cancellation of mains power interference in continuous gravitational wave searches with a hidden Markov model	Dr KIMPSON, Tom	
[166] Constraining the acceleration of moving binary black holes with gravitational wave	ZHAO, Xinmiao	
[100] Effects of spin-orbit coupling on gravitational waveforms from a triaxial non-aligned neutron star in a binary system	FENG, Wen-Fan	
[315] Constraining the SSC Model of GRB 221009A via Spectral Energy Distribution	YANG, He-Wen	
[262] Cosmic ray flux at the knee, and diffuse gamma-ray emission at Very High Energies	GIACINTI, Gwenael	
[308] Inverse Compton Template Modeling of Geminga and Monogem with the HAWC Gamma-ray Observatory	TORRES-ESCOBEDO, Ramiro	
[288] The High-Energy Data Integration Analysis Tool and the Application in Gamma-Ray Burst Study	WANG, Yun	
[202] Impact of a discrete distribution of cosmic-ray sources on the Galactic gamma-ray emission at VHE	KACI, Samy	
[106] Detection and parameter estimation of ringdown signals using a pulsar timing array	TAO, Xuan	
[291] Constraining the Propagation Speed of Gravitational Waves with White Dwarf Binaries	GUO, Yiqing	

[152] Could the TeV emission of starburst galaxies originate from pulsar wind nebulae?	CHEN, Xiao-Bin	
[124] Quantifying irradiation in spider pulsars: the extreme case of PSR J1622-0315	TURCHETTA, Marco	
[244] Angular power spectrum of the TeV cosmic ray anisotropy	BIAN, Wenyi	
[206] Near Real-Time Gravitational Wave Data Analysis of the Massive Black Hole Binary with TianQin	CHEN, Hong-Yu	
[135] Long-duration Gamma-Ray Burst Progenitors and Magnetar Formation	SONG, cuiying	
[182] Coherent Cherenkov Radiation by Bunches in Fast Radio Bursts	刘, 泽南	
[170] Linear acceleration emission of electron-positron plasma bunches in pulsar magnetospheres	Dr BENÁČEK, Jan	
[204] The Collimation of Relativistic Jets in Post-Neutron Star Binary Merger Simulations	PAIS, Matteo	
[314] Searching for UHECR-associated gamma-ray sources with LHAASO-WCDA	ZHANG, Qinyuan	
[297] An Enigmatic PeVatron in an Area around HII Region G35.6-0.5	Ms ZHONG, Wenjuan	
[319] Observable imprints of dark energy inhomogeneities	NAN, Yue	
[318] Pulsar J1906+0746 at FAST: a unique exploration of radio-pulsar beam maps	WANG, Yuyang	
[16] Where my DAEMON hides -- The emergence of cosmic structures following power-laws	WAGNER, Jenny	
[285] Enhanced detectability of gravitationally lensed gravitational waves by spinless black holes with aLIGO	YIN, Chengjiang	
[302] Identification of Gravitational-waves from Extreme Mass Ratio Inspirals	Mr YE, Chang-Qing	
[113] Dynamical energy dissipation of relativistic magnetic jets	KUSAFUKA, Yo	
[127] Detection and characterization of gravitational waves of stellar-mass binary black holes for LISA	FU, Yao	
[136] Identifying the electromagnetic counterparts of LISA's massive black hole binaries in archival LSST data	XIN, Chengcheng	
[132] Two-component jet model for the TeV and multi-wavelength afterglows of GRB 221009A	ZHENG, Jianhe	
[250] Is SNR G150.3+4.5 a PeVatron?	LI, Yuan	
[293] Searching for astrophysical tau neutrinos with hDOM waveforms in TRIDENT	TIAN, Wei	
[89] Multi-parameter Tests of General Relativity Using Bayesian Parameter Estimation with Principal Component Analysis for LISA	NIU, Rui	
[107] Cascade Radiations of $e^+e^-$ from $\gamma\gamma$ -annihilation process as an extra component of the Early Optical/X-Ray Afterglows of Gamma-Ray Bursts	HUANG, Xiaoli	
[133] An Investigation of state changes of PSR J2021+4026 and Vela pulsar	WANG, Huihui Mr TAKATA, Jumpei Mr TAM, Thomas	
[7] Gravitational waves from magnetar glitches and anti-glitches	YIM, Garvin	A-2