

PRELIMINARY CONFERENCE PROGRAM

Arrival Day - Sunday - Nov 1st			
15:00-21:00	***Registration***		
18:10-21:00	***Reception Dinner***		
Day 1 - Monday - Nov 2nd			
08:30-09:00	***Registration***		
Session 0 - Opening and Welcome			
Chair: Youjun Lu			
09:00-09:10	***Welcome Address by UCAS Vice President Yangheng Zheng***		
09:10-09:15	***Welcome Remarks by the SOC Chairs***		
Session 1 - The High-Velocity Sky: Gaia, LAMOST and New Surveys			
Chair: Yang Huang			
09:15-09:45	Invited	**Michael Perryman (Remote)**	Gaia's contributions to high-velocity and hypervelocity stars
09:45-10:15	Invited	**Ali Luo**	High-Velocity Stars with LAMOST: From Rare Discoveries to Galactic Archaeology
10:15-10:35	Contributed	**Pau Ramos (Remote)**	Searching for new Hypervelocity Stars with Gaia DR3 and VLT/FORS2 Spectroscopy
10:35-11:20	***Coffee Break & Group photo***		
11:20-11:40	Contributed	**Leonardo Betancourt**	Searching for Hypervelocity Stars in Euclid DR1
11:40-12:00	Contributed	**Shuai Xu**	Photometric Distances for Metal-poor Giants and a Search for Hypervelocity Stars with LAMOST DR13 and Gaia DR3
12:00-14:00	***Lunch***		
14:00-14:30	Invited	**Ulrich Heber (Remote)**	The first hyper-velocity stars: From discovery to Gaia DR4
14:30-14:50	Contributed	**Jian Zhang**	Stella: An Agent-Driven Research System for High-Velocity Stars
14:50-15:10	Contributed	**Yongkang Sun (Remote)**	Systematic Search for Blue Hypervelocity Stars from LAMOST Survey
15:10-16:00	***Coffee Break & Welcome Mixer***		
16:00-16:20	***Discussion I (Chairs: Ali Luo +Yang Huang)***		
Session 2 - Origins of Hypervelocity Stars: Galactic Center and Beyond			
Chair: Qingjuan Yu			
16:20-16:50	Invited	**Cuihua Du**	Systematic Search and Origin tracing of High-Velocity Stars with LAMOST and Gaia
16:50-17:10	Contributed	**Jiahui Wang**	Intergalactic Wandering Stars in the Local Universe
17:10-17:30	Contributed	**Guoyang Chen**	Discovery of five stars ejected from the Galactic centre with LAMOST
Day 2 - Tuesday - Nov 3rd			
09:00-09:30	Invited	**Warren Brown (Remote)**	Developments in Hypervelocity Star Observations
09:30-10:00	Invited	**Elena Rossi**	The rate of hypervelocity stars
10:00-10:20	Contributed	**Manuel Cavieres**	A hypervelocity star from DESI DR1 identification and spectroscopic followup
10:20-11:00	***Coffee Break***		
11:00-11:20	Contributed	**Alonso Luna (Remote)**	Search for red clump hypervelocity stars in the Galactic bulge
11:20-11:40	Contributed	**Xiaochen Zheng**	One Companion, Many Fates: A Unified IMC Perturbation Model for HVSs, S-Stars, and Disk Stars

11:40-12:00	Contributed	**Shunhong Deng**	An Old, Low-mass, Metal-poor Hypervelocity Star Candidate Consistent with a Galactic Center Origin
12:00-14:00		***Lunch***	
14:00-14:40		***Discussion II (Chairs: Elena Rossi + Cuihua Du)***	
		Session 3 - Fast Stars as Probes of the Milky Way and Its Halo	
		Chair: Re'em Sari	
14:40-15:10	Invited	**Hefan Li**	60 Candidate High-velocity Stars Originating from the Sagittarius Dwarf Spheroidal Galaxy in Gaia EDR3
15:10-15:30	Contributed	**Haozhu Fu**	High-Velocity Stars as Probes of the Milky Way: From Distant Hypervelocity Star Searching to the Galactic Potential
15:30-16:00		***Coffee Break***	
16:00-16:20	Contributed	**Rui Guo**	Milky Way Potential Measurement from the Vertical Phase-Space Spiral
16:20-16:40	Contributed	**Yaojia Tang**	Chemical and Orbital Signatures of Three Hypervelocity Stars: Constraints on the Origins
16:40-17:00	Contributed	**Xiangyu Li**	Measuring Milky Way Mass with RRL and BHB Halo Stars from LAMOST, SDSS and DESI
		Day 3 - Wednesday - Nov 4th	
09:00-09:30	Invited	**Jesse Han (Remote)**	Hypervelocity Stars Trace a Supermassive Black Hole in the Large Magellanic Cloud
09:30-09:50	Contributed	**Qikang Feng**	The rotation curve of the Milky Way measured by classical Cepheids from Gaia DR3
09:50-10:10	Contributed	**Haining Li (Remote)**	High-Velocity Stars and the Mass of the Milky Way
10:10-10:50		***Coffee Break***	
10:50-11:10	Contributed	**Hao Tian**	Hide and Seek: Low surface density stellar streams hidden in the Milky Way
11:10-11:30		***Discussion III (Chairs: Rui Guo + Jesse Han)***	
11:30-13:00		***Lunch***	
13:15-17:30		***Conference trip to the Mutianyu Great Wall***	
18:00-22:00		***Conference Dinner***	
		Day 4 - Thursday - Nov 5th	
		Session 4 - Hypervelocity Compact Stars and Binary Evolution	
		Chair: Mar Carretero-Castrillo	
09:00-09:30	Invited	**Kareem El-Badry**	Hypervelocity messengers from thermonuclear supernovae
09:30-10:00	Invited	**Aakash Bhat**	From 3D to 1D: Modeling the Formation of Hyper-Velocity Stars from White Dwarf Binaries
10:00-10:20	Contributed	**Huahui Yan**	Escaped White Dwarf Candidates from Open Clusters
10:20-11:00		***Coffee Break***	
11:00-11:20	Contributed	**Natalia Shagatova**	Focused Wind Accretion in Quiescent Symbiotic Stars
11:20-11:40	Contributed	**Luqian Wang**	Searching for hot stripped star companions of rapidly rotating massive stars
11:40-12:00	Contributed	**Chuanjie Zheng**	The "Frog-eyes" System: A Photometric Pathway to Massive Binary Population Surveys
12:00-12:20	Contributed	**Amit Kashi**	Wind Collisions and Giant Eruptions in Massive Binaries, and their Effects on the Involved Stars
12:20-12:30	Contributed	**Qianyu An**	Peculiar Velocities of 1133 Dormant Black Hole/Neutron Star Binary Candidates Constructed by Simulating and Fitting Gaia Observables
12:30-14:00		***Lunch***	
14:00-14:30		***Discussion IV (Chairs: Kareem El-Badry + Aakash Bhat)***	
		Session 5 - Runaway Massive Stars: Clusters, Binaries and Supernovae	
		Chair: Amit Kashi	
14:30-15:00	Invited	**Yanjun Guo**	Early-type Runaway Stars and Their Origins in LAMOST
15:00-15:20	Contributed	**Mitchel Stoop (Remote)**	Gaia DR3's view on high-mass runaway stars in the Milky Way and the Magellanic Clouds
15:20-15:50		***Coffee Break***	
15:50-16:10	Contributed	**Chen Wang**	Binary Interaction, Stellar Rotation, and the Origin of Runaway Stars
16:10-16:30	Contributed	**Sara R. Berlanas (Remote)**	Unraveling massive star ejections: the largest 5D kinematic catalog of Galactic runaway OB stars ahead of WEAVE, 4MOST, and Gaia DR4
16:30-16:50	Contributed	**Chengyang He**	Young runaway stars as dynamical tracers of star formation around the Local Bubble
16:50-17:10	Contributed	**Christina Schoettler**	The long-term evolution of Runaway Star populations in the presence of tidal fields
17:10-17:20	Contributed	**Christina Schoettler**	Survival of the planet-forming environment around ejected stars from the ONC
17:20-17:40	Contributed	**Bhawna Mukhija**	Revisiting Massive-Star Progenitor Grids: Black Hole, Neutron Star, and Long-GRB Formation from MESA Models and Population Synthesis in the Gaia Era
		Day 5 - Friday - Nov 6th	
09:00-09:30	Invited	**Mar Carretero-Castrillo**	Massive runaway stars in the Milky Way: bow shocks, rotation, binarity and clues on their ejection mechanisms
09:30-09:50	Contributed	**Baha Dinçel**	The massive pre-supernova binary companion to the progenitor of the supernova remnant IC 443

09:50-10:30	***Discussion V (Chairs: Mar Carretero-Castrillo + Christina Schoettler)***		
10:30-11:00	***Coffee Break***		
Session 6 - Black Holes, Nuclear Dynamics and New Frontiers			
Chair: Elena Rossi			
11:00-11:30	Invited	**Qingjuan Yu**	Hypervelocity stars and the stars orbiting the Galactic center's massive black hole
11:30-11:50	Contributed	**Yibo Yao**	The Milky Way Bar's Influence on Orbits and Origin Reconstruction of Hypervelocity Stars
11:50-14:00	***Lunch***		
14:00-14:30	Invited	**Re'em Sari**	Dynamics in Nuclear Star Clusters: Hypervelocity Stars and Their Connection to Other Transients
14:30-15:00	Invited	**Yang Huang**	Hunting Intermediate-Mass Black Holes with Hypervelocity Stars
15:00-15:20	Contributed	**Rainer Spurzem**	Direct N-Body Simulations of Nuclear Star Clusters
15:20-15:40	Contributed	**Yining Sun**	Rapid Intermediate-mass Black Hole Formation via Runaway Mergers of Black Holes
15:40-16:10	***Coffee Break***		
16:10-16:40	***Discussion VI (Chairs: Re'em Sari + Rainer Spurzem)***		
16:40-17:00	***Conclusion Remarks (Warren Brown, Ulrich Heber & Yang Huang)***		
17:00-17:20	***Farewell with snacks & drinks***		

- **Invited talk: 30 minutes (recommended: 25 minutes for the talk and 5 minutes for Q&A)**
- **Contributed talk: 20 minutes (recommended: 17 minutes for the talk and 3 minutes for Q&A)**
- **Flash talk: 10 minutes (recommended: 8 minutes for the talk and 2 minutes for Q&A)**