

The 10th International Workshop on Air Shower Detection at High Altitudes

(Address: Nanjing University International Conference Center)
Conference Room: Zijin Hall, first floor (一楼紫金厅)

Jan.7, 11:00-19:00 Registration (Hotel Lobby, first floor)

Dinner (buffet) 17:30-19:30

Time	Talk title	Speaker
Jan. 8 morning		
8:10-8:40	Registration (Hotel Lobby, first floor)	
8:40-8:45	Opening remark	
Session 1: LHAASO results Chair: Hongbo Hu		
8:45-9:10	Status of the LHAASO experiment	Zhen Cao
9:10-9:30	Survey of the TeV gamma ray sky by the LHAASO experiment	Min Zha
9:30-9:50	Observation of UHE gamma rays by the LHAASO experiment	Songzhan Chen
9:50-10:10	Observation of the cosmic ray spectrum around the knee by the LHAASO experiment	Lingling Ma
Photo and coffee break		
Session 2: PeVatrons, CR spectrum Chair: Xiao-Jun Bi		
10:40-11:10	Galactic Cosmic Ray PeVatrons	Felix Aharonian
11:10-11:35	LHAASO and galactic cosmic rays	Rui-Zhi Yang
11:35-12:00	Latest results of Dark Matter Particle Explorer	Qiang Yuan
12:00-12:30	Understanding the cosmic ray Knee	Paolo Lipari
Lunch (first floor)		
Jan.8, afternoon		
Session 1: TeV halo & PWN Chair: Siming Liu		
14:00-14:25	Probing Particle Diffusion with TeV Halo Observations	Hao Zhou
14:25-14:55	Extended gamma-ray emissions around sources of cosmic-rays	Gwenael Giacinti
14:55-15:20	Positron excess, TeV gamma ray halo and cosmic ray propagation	Xiao-Jun Bi
15:20-15:45	Probing interstellar magnetic turbulence with TeV halos	Ruo-Yu Liu
Coffee break		

Session 2: SNR		Chair: Yang Chen
16:15-16:45	A VHE gamma-ray view of Supernova Remnants	Fabio Acero
16:45-17:10	Supernova Remnant Origin of Galactic Cosmic Rays	Siming Liu
17:10-17:35	Exploring gamma-rays towards SNRs & PWNe	Xiao Zhang
17:35-18:05	Properties of MHD turbulence and superdiffusion of cosmic rays perpendicular to magnetic field	Alex Lazarian
18:30 Banquet (Third floor)		
Jan.9, morning		
Session 1: GRB		Chair: Zigao Dai
8:30-9:00	Prospects of GRB science in the high-energy regime	Bing Zhang
9:00-9:30	HESS Observations and Detections of GRBs	Andrew Taylor
9:30-10:00	Gamma-Ray Bursts at Very High Energies	Susumu Inoue
10:00-10:25	Inverse Compton signatures of GRBs using Fermi-LAT data	Thomas Tam
Coffee break		
Session 2: Extragalactic sources, future experiments		Chair: Enwei Liang
10:50-11:15	TeV Blazars Candidates	Jun-Hui Fan
11:15-11:40	Jitter radiation applied to Very-High-energy GRBs	Jirong Mao
11:40-12:10	Progress of CTA-LST North	Masahiro Teshima
12:10-12:35	The future High Energy cosmic Radiation Detection facility (HERD)	Yong-Wei Dong
Lunch		
Jan.9, afternoon		
Session 1: CR anisotropy and turbulence		Chair: Ruo-Yu Liu
14:00-14:30	Constraining microscopic plasma processes by precision measurements of cosmic rays	Huirong Yan
14:30-15:00	TeV cosmic ray anisotropy in the local interstellar medium	Ming Zhang
15:00-15:25	MHD-PIC Method and its Astrophysical Applications	Xuening Bai
15:25-15:50	Particle acceleration at merger shocks in galaxy clusters	Jacek Niemiec
Coffee break		

Session 2: Diffuse gamma-rays & CR spectrum		Chair: Zhongxiang Wang
16:20-16:50	Diffuse gamma-ray emission from the Galaxy in the energy range above 1 TeV.	Dmitri Semikoz
16:50-17:15	Perspective of detecting very high energy gamma ray photons associated with neutrinos by LHAASO	Haoning He
17:15-17:40	Measuring simultaneously the cosmic ray composition and hadronic interaction properties	Jose Bellido
17:40-18:05	The cosmic ray proton spectrum measured by DAMPE satellite	Chuan Yue
Dinner		
Jan.10, morning		
Session 1: Gamma-ray binary		Chair: Ruizhi Yang
8:30-9:00	Gamma-ray emission from compact binary systems	Dmitry Khangulyan
9:00-9:30	High-energy emission from gamma-ray binary	Jumpei Takata
9:30-9:55	Gamma-ray Emitting Binaries	Zhongxiang Wang
Coffee break		
Session 2: New physics		Chair: Xiang-Yu Wang
10:25-10:50	New Physics from High Energy Cosmic Rays	Bo-Qiang Ma
10:50-11:15	UHE cosmic rays: knowns, unknowns, and possible "new physics"	Armando Di Matteo
11:15-11:40	Highest energy cosmic rays as messengers from the mirror world.	Askhat Gazizov
11:40-12:05	Probes of fundamental physics from Multi-messenger astronomy	Andrea Addazi
12:05-12:15	Closing remark	Zhen Cao
Lunch		
13:30 Free discussions and tour		

Note: 30' talks include 6' for questions, 25' talks include 5' for questions and 20' talks include 4' for questions.