

The 9th international Workshop on Air Shower Detection at High Altitudes

Timetable

2018/09/17		
8:30 - 9:00	Organizing committee	Registration
9:00 - 9:10	Grigory Rubtsov; Zhen Cao	Opening remarks
Session 1 / Chair: Grigory Rubtsov		
9:10 - 9:40	Zhen Cao	LHAASO Status
9:40 - 10:10	Christian Spiring/Zhan-Arys Djilkibaev	IceCube: recent results on astrophysical neutrinos
10:10 - 10:40	Olga Suvorova	Baikal-GVD neutrino experiment
10:40 - 11:00	Coffee break and photo taking	
Session 2 / Chair: Bi XiaoJun		
11:00 - 11:25	Vladimir Ptuskin	Energy limits for acceleration of cosmic rays in supernovae remnants
11:25 - 11:50	Dmitry Chernyshov	On the possible connection between Fermi bubbles and cosmic rays above 1 PeV
11:50 - 12:15	ZhongXiang Wang	Gamma-ray quasi-periodic oscillations in blazars
12:15 - 12:40	Vyacheslav Dokuchaev	Weighting of dark matter in the Galactic center
12:40 - 14:20	Lunch	
Session 3 / Chair: Zhen Cao		
14:20 - 14:45	Songzhan Chen	LHAASO - gamma ray astronomy
14:45 - 15:10	Wei Liu	LHAASO: Anisotropy theory
15:10 - 15:35	Giuseppe Di Sciascio	The science case of a survey detector operated in the Southern hemisphere
15:35 - 15:50	Coffee break	

Session 4 / Chair: Giuseppe Di Sciascio		
15:50 – 16:15	Alexander Panov	Cosmic ray secondary nuclei in the NUCLEON space experiment
16:15 – 16:40	Alberto Manfreda	The first 10 years of the Fermi Large Area Telescope
16:40 – 17:05	Qiang Yuan	DAMPE
17:05 – 17:30	Rostislav Kokoulin	Investigations of very high energy cosmic rays by means of inclined muon bundles
17:30 – 17:45	Coffee break	
Session 5 / Chair: Paolo Lipari		
17:45 – 18:10	Zhuo Li	High energy neutrinos and gamma-rays from wind breakout of type II supernovae
18:10 – 18:35	Junjie Wei	A New Test of Lorentz Invariance Violation: The Spectral Lag Transition of GRB 160625B
18:35 – 19:00	Houdun Zeng	Evolution of high-energy particle distribution in SNRs
19:00	Welcome party	

2018/09/18		
Session 6 / Chair: Yuri Stenkin		
9:00 – 9:30	Leonid Kuzmichev	Cherenkov EAS arrays in the Tunka Astrophysical Center: from Tunka-133 to the TAIGA gamma- and cosmic-ray hybrid installation
9:30 – 10:00	Tiina Suomijärvi	The AugerPrime upgrade of the Pierre Auger Observatory and some results
10:00 – 10:30	Grigory Rubtsov	Status and results of Telescope Array observatory
10:30 – 11:00	Eduardo de la Fuente Acosta	The High Altitude Water Cherenkov (HAWC) Observatory

11:00 - 11:15	Coffee break	
Session 7 / Chair: Leonid Kuzmichev		
11:15 – 11:40	Alexander Lidvansky	Baksan Air Shower Array: Review of Results and Prospects for the Future
11:40 – 12:05	Sergey Troitsky	Search for gamma-rays with E>1 PeV
12:05 – 12:30	Alexander Borisov	Possibilities of estimation of EAS primary particles characteristics with PAMIR-XXI complex setup
12:30 – 14:00	Lunch	
Session 8 / Chair: Xinhua Ma		
14:00 – 14:25	Yuri Stenkin	On the cosmic ray energy spectrum “knees” – phenomenological approach
14:25 – 14:50	Oleg Shchegolev	Primary spectrum and mass composition of cosmic rays in PeV region
14:50 – 15:15	Xinhua Ma	Thermal neutron background variations at high altitudes
15:15 – 15:40	Victor Alekseenko	Variations of thermal neutron flux in the Moon-Earth-Sun geophysical relations
15:40 - 15:50	Coffee break	
Session 9 / Chair: Silvia Vernetto		
15:50 – 16:15	Lingling Ma	LHAASO: cosmic ray spectrum
16:15 – 16:40	XiaoJun Bi	Slow diffusion around Geminga and positron excess on the Earth
16:40 – 17:05	Paolo Lipari	The spectral shapes of the fluxes of electrons and positrons and the propagation of cosmic rays in the Galaxy
17:05 – 17:30	Silvia Vernetto	Diffuse Galactic gamma ray flux at very high energy
Session 10 / Chair: Tiina Suomijärvi		

17:30 – 17:50	Mingjun Chen	LHAASO: new 20' PMT
17:50 – 18:10	Shoushan Zhang	The status of SiPM array camera for image air Cherenkov telescope of LHAASO
18:10 - 18:30	MengFei Zhang	The potential application of MHD simulation to PWNe/SNRs in LHAASO project
18:30 - 18:50	Jirong Mao	High-energy Release of Celestial Objects in Small Scales
18:50 - 19:00	Grigory Rubtsov; Zhen Cao	Discussion and closing remark