



# The First LHAASO Collaboration Conference in 2023

## Friday, 10 February 2023

Session 2: GRB & theory - 501 (15:40 - 17:10)

-Conveners: Junhui Fan

time	[id] title	presenter
15:40	[29] search for very high energy gamma-ray bursts based on LHAASO-WCDA triggered data	HUANG, Yong
15:55	[30] High-energy emissions from High-mass Gamma-ray binaries	CHEN, Shangming
16:10	[31] Lorentz violation of photons and electrons from LHAASO data	MA, Bo-Qiang
16:25	[32] Very extended sources in 100TeV gamma-ray data: Signatures of diffusion around past PeVatrons	GIACINTI, Gwenael

# Saturday, 11 February 2023

## Session 2: detector - 501 (09:00 - 10:30)

-Conveners: xiangdong Sheng

time	[id] title	presenter
09:00	[40] Status of ENDA	MA, Xinhua
09:15	[41] The operation of the electromagnetic particle detector array of KM2A	刘佳, jia
09:30	[42] Calibration of LHAASO-KM2A electromagnetic particle detectors	LV , Hongkui
09:45	[43] Effects of environmental factors on LHAASO-ED	ZHANG, Xiaopeng
10:00	[44] Study on Performance Stability of LHAASO Electromagnetic Particle Detector	HOU, chao
10:15	[45] Advance in the diagnosis system of experimental operational fault	ZHANG , Hangchang

## Session 2: detector - 501 (10:40 - 11:55)

-Conveners: Jinfan Chang

time	[id] title	presenter
10:40	[51] Calibration of Charge Efficiency in WCDA by Muon	GAO, Weikang
10:55	[52] Energy Estimation of Gamma Rays in WCDA with the Lateral Distribution Function	WEI, Yongjian
11:10	[53] Performnce of WFCTA SiPM Camera	YANG , Mingjie
11:25	[54] Progress of calibration of WFCTA based on laser system	SUN, Qinning
11:40	[55] The calibration system of LHAASO-WFCTA and its performance	ZHU, Fengrong

## Session 2: computing and software - 501 (14:00 - 15:15)

-Conveners: Chengguang Zhu

time	[id] title	presenter
14:00	[75] The vision of using LHAASO Open Data for education and outreach	CHENG, Yaodong
14:15	[76] Work on Online Processing Model	GU, minhao
14:30	[77] Science and Technology Cloud with scientific data processing	FANG, Xiao
14:45	[78] Supercomputer as a public service and collaboration with LHAASO project	ZHENG, Liang
15:00	[79] The status of lhaaso computing platform	LI, Haibo

## Session 2: data analysis+simulation - 501 (15:55 - 16:40)

-Conveners: zhibin Sun

time	[id] title	presenter
15:55	[87] Research on LHAASO-KM2A performance optimization	DONG, xuqiang
16:10	[88] The fluorescence light simulation based on CORSIKA for LHAASO	WU, Hailin

16:25	[89] Update of the 3D-likelihood Analysis tools for KM2A	DUAN, Kai-Kai
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# Sunday, 12 February 2023

## Session 2: extra galactic - 501 (09:00 - 10:00)

-Conveners: Pak Hin Tam

time	[id] title	presenter
09:00	[95] A Survey of extra-galactic sources with full-WCDA data	XIANG, Guangman
09:15	[96] observation of TeV gamma-ray emission from Mrk 421 with LHAASO-KM2A	WEN, Tao
09:30	[97] Observation the gamma rays emission from the Mrk 421 and Mrk 501 with WCDA	ZHANG, Qinyuan

## Session 2: neutrino+multi wave - 501 (10:15 - 11:30)

-Conveners: Zhuo Li

time	[id] title	presenter
10:15	[102] Searching for neutrino signals correlated with LHAASO diffuse Galactic emission	LI, Wenlian
10:30	[103] Neutrino Observations of LHAASO Sources: Present Constraints and Future Prospects	HUANG, Tianqi
10:45	[104] Studying X-ray spectra of large-scale jets of FR II radio galaxies: application of shear particle acceleration	HE, Jiachun
11:00	[105] TeV and keV-MeV Excesses as Probes for Hadronic Process in BL Lacertae	CHENG, Jigui

## Session 2: Thunderstorm and atmosphere - 501 (14:00 - 15:30)

-Conveners: gang XIAO

time	[id] title	presenter
14:00	[61] Possible origin of downward TGF in KM2A	ZHOU, xunxiu
14:15	[62] Simulation study on cosmic ray shower rate variation in KM2A during thunderstorm	YANG, Ci
14:30	[63] Variation of particle arrival time detected by LHAASO-KM2A during thunderstorm	CHEN, Xuejian
14:45	[64] Investigation of the thunderstorm in 20220616	WU, chaoyong
15:00	[65] Study on the variation of Atmospheric Aerosol at LHAASO	XIA, Junji
15:15	[66] Observation on the Height Variation of the Atmospheric Boundary Layer on the Eastern Slope of the Qinghai-Tibet Plateau	LIU, Jing

## Session 2: dark matter - 501 (15:45 - 16:30)

-Conveners: Xiao-Jun Bi

time	[id] title	presenter
15:45	[110] Constraints on axion-like particle properties with LHAASO-KM2A of TeV Galactic sources	LI, Jun
16:00	[111] Constraints on dark matter parameters from LHAASO's observations	ZHU, Benyang

16:15	[112] Dark Matter Search from Dwarf Spheroidal Galaxies with the LHAASO-KM2A	JIA, Kang
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Session 2: neutrino+multi wave - 501 (22:30 - 23:45)

-Conveners: Zhuo Li