The First LHAASO Collaboration Conference in 2021 & LHAASO Project Status Meeting

Saturday, 24 April 2021

LHAASO collaboration conference: Section 1 (08:30 - 10:00)

-Conveners: Junhui FAN

time	[id] title	presenter
08:30	[0] Welcome speeches	SUN, Tao
08:40	[1] Open address	Prof. CAO, Zhen
08:50	Photo time	
08:55	[2] Status on WCDA experiment	Prof. CHEN, Mingjun
09:07	[3] Progress of Electromagnetic particle Detectors Array	Prof. SHENG, xiangdong
09:19	[4] Progress of LHAASO Muon Detector array	Mr XIAO, gang
09:31	[5] Progress of LHAASO-WFCTA	Dr ZHANG, Shoushan
09:45	[6] Progress of measurement of cosmic ray spectrum with the LHAASO experiment	Dr MA, Lingling

LHAASO collaboration conference: Section 2 (10:15 - 12:00)

-Conveners: Huihai He

time	[id] title	presenter
10:15	[8] Status of KM2A data and future plan for physical analysis	Mr CHEN (陈), songzhan (松战)
10:30	[9] tatus about WCDA data reconstruction and analysis	Mr HU, Shicong
10:45	[10] Status of Physical analysis of LHAASO data-Subject 2 of the National Key R&D Program "the scientific research based on LHHASO"	Prof. ZHANG, yi
11:00	[11] Status of phenomenological study on cosmic ray origin-Subject 3 of the National Key R&D Program "the scientific research based on LHHASO"	Prof. LIU, Siming
11:15	[12] New results of cosmic ray observation and progress of the study of cosmic ray propagation	Prof. BI, XiaoJun
11:30	[13] Lorentz Violation from High Energy Cosmic Photons with LHAASO new results	Prof. MA, Bo-Qiang
11:45	[14] Confronting new observations of cosmic rays and gamma rays with model	Prof. YUAN, Qiang

LHAASO collaboration conference: Section 3 (13:30 - 15:30)

-Conveners: Xiang-Yu Wang

time	[id] title	presenter
13:30	[15] On the hard gamma-ray spectrum of SNR G106.3+2.7	Prof. CHEN, Yang
13:45	[16] X-ray Analysis on the region of LHAASO J2226+6057	Prof. LIU, Ruoyu

14:00	[17] Molecular observation toward PeVatron candidate G106.3+2.7	Mr LIU, Qiancheng
14:15	[18] Study of Gamma-Ray Emission of the γ-Cygni SNR(G78.2+2.1) with LHAASO-KM2A	Dr FENG, Youliang
14:30	[19] SNR G35.6-0.4, a Hadronic source for LHAASO	Dr CUI, Yudong
14:45	[20] Studying the gamma-ray emission from young SNRs with Fermi	Dr ZHANG, Xiao
15:00	[21] Upper limits on SNR Cassiopeia A and diffuse emissions	Prof. YANG, Ruizhi
15:15	[22] Analytical Solution of Magnetically Dominated Jet: AGN gamma-ray location	Prof. CHEN, Liang

LHAASO collaboration conference: Section 4 (15:45 - 18:00)

-Conveners: Shuwang Cui

time	[id] title	presenter
15:45	[23] Search for new VHE gamma-ray sources with LHAASO-KM2A	Dr WU SHA
16:00	[24] Search for new VHE gamma-ray sources with LHAASO-KM2A	Mr ZHANG, Haiming
16:15	[25] Observation of the bright Ultra-High-Energy source LHAASO J2018+3651 with the LHAASO-KM2A	Dr HOU, chao
16:30	[26] Observation of 10TeV -200TeV gamma-rays emission from the region of SNR G65.1+0.6 with LHAASO-KM2A	Ms YU, Yanhong
16:45	[27] LHAASO observation of microquasar SS 433 region	Prof. LI, Jian
17:00	[28] Observing Very-high-energy Gamma Ray from the Region of SS 433 with LHAASO	Mrs WEI, Leyao
17:15	[29] Origin of >10 TeV gamma-ray emission for CTA 1	Dr XI, Shaoqiang
17:30	[30] On the energy-dependent diffusion coefficient around Geminga	Ms GUO, Yingying
17:45	[31] A possible blazar spectralirregularity case caused byphoton-ALP oscillations	Prof. WANG, Zhongxiang

Sunday, 25 April 2021

LHAASO collaboration conference: Section 5 (08:30 - 10:15)

-Conveners: Zhiguo Yao

time	[id] title	presenter
08:30	[32] Recent results from Cygnus Cocoon	Dr LI CONG
08:45	[33] The Crab spectrum analysis with WCDA pool 1 information since 2020/06	Dr LIN SUJIE
09:00	[34] A likelihood analysis framework for LHAASO-WCDA/Long term observation of Crab spectrum with WCDA	Mr XIANG, Guangman
09:15	[35] Observation of TeV gamma ray emissions from PeV sources with the LHAASO-WCDA	Mr GAO, Chuandong
09:30	[36] Measurement of diffuse gamma ray at galactic plane by LHAASO-KM2A	Mr ZHAO, Shiping
09:45	[37] Diffuse gamma-ray emission from the vicinity of young massive star clusters W40 and RSGC 1	Dr SUN, Xiaona
10:00	[38] Exploring Lorentz Invariance Violation	Mr GAO, Linqing

LHAASO collaboration conference: Section 6 (10:30 - 12:35)

-Conveners: Pak-Hin Thomas TAM

time	[id] title	presenter
10:30	[39] GRBs are Good Eyes to see the deep cosmos	Dr GUO, YiQing
10:45	[40] Search for VHE emissions from GRB 190829A with LHAASO-WCDA1	Mrs YAO, Yuhua
11:00	[41] Statistical analysis of gamma-ray bursts based on LHAASO-WCDA experiment	Dr LIU, Wei
11:15	[42] Searching for the best nearby source by LHAASO-WCDA-1	Mr ZHAO, Bing
11:30	[43] Search the characteristic energy spectrum remnant of nearby sources based on the LHAASO-WCDA experiment	Dr QIAO BINGQIANG
11:45	[44] Constraints on the Gamma-ray and Neutrino Emission from Nearby Starburst Galaxies	Dr HE, Hao-Ning
12:00	[45] Supernova Neutrino Detection with LHAASO-MD	Dr LIU, Dong
12:15	[46] Diffuse gamma-ray analysis with KM2A & contrains on DM	Dr LI, Zhe

LHAASO collaboration conference: Section 7 (14:00 - 16:00)

-Conveners: Benzhong DAI

time	[id] title	presenter
14:00	[54] STUDY ON GAMMA RAYS EMISSION OF THE NORTHERN FERMI BUBBLE REGION WITH LHAASO-WCDA	Mr XIANG, Guangman
14:15	[47] Beaming effect in Fermi blazars	Dr PEI, Zhiyuan
14:30	[49] Observation the gamma rays emission from the Markarian 421 with the LHAASO-WCDA	Ms WANG, Ran
14:45	[50] Estimating AGN flare duty cycle	Dr QU, Ziwei

15:00	[48] Observation of 4-25 TeV gamma-ray emission from AGN Mrk421 with LHAASO-KM2A	Mr WEN, tao
15:15	[51] A unified model for orphan and multi-wavelength blazar flares	Mr WANG, Zerui
15:30	[52] Particle acceleration in kpc-scale jets	Dr WANG, Jie-Shuang
15:45	[53] New Computing Model “dHTC” for LHAASO	Dr JIANG, Xiaowei

LHAASO collaboration conference: Section 8 (16:15 - 18:15)

-Conveners: Hao Zhou

time	[id] title	presenter
16:15	[55] The simulation of LHAASO-KM2A	Dr ZHAO, Jing
16:27	[56] LHAASO 3/4 Array Reconstruction Software Based on LodeStar	Mr JIA, Kang
16:39	[57] The identification of proton and gamma components in cosmic rays with LHAASO-KM2A simulation based on deep learning algorithm	Mr ZHANG, Feng
16:51	[58] A 3D likelihood analysis for KM2A data	Prof. HUANG, Xiaoyuan
17:03	[59] Status of simulation and data comparison of wcda-1	Dr WU, Hanrong
17:15	[60] Fast simulation of WCDA1	Dr LI, Xiurong
17:27	[61] Study on WCDA Phase4 & Phase5 Data Reconstruction	Dr WANG, ZHEN
17:39	[62] Study on reconstruction of WCDA core	Mr ZHENG, Ying
17:51	[63] Analysis on N2-Laser Data by WFCTA	Mr SUN, Qinning
18:03	[64] measurement of muon attenuation length with MD of LHAASO	Ms FENG, Xiaoting

Monday, 26 April 2021

LHAASO collaboration conference: Section 9 (08:30 - 10:06)

-Conveners: Cunfeng FENG

time	[id] title	presenter
08:30	[65] The Performance of Nuclei Meaurement with LHAASO	Dr LIU, Hu
08:42	[66] Measurement of muon contents in cosmic ray shower with LHAASO-KM2A around knee region	Ms ZHANG, Hengying
08:54	[67] Progress of cosmic ray composition measurment at the knee region using multi-parameter	Mr YOU, Zhiyong
09:06	[68] measurement of light composition energy spectrum with the LHAASO experiment	Ms WANG, Liping
09:18	[69] Observation of large-scale anisotropy of cosmic rays with LHAASO-KM2A	Dr GAO, Wei
09:30	[70] The common evolution of 100GeV-EeV cosmic rays' energy spectrum and anisotropy	Dr LI, Aifeng
09:42	[71] research for the dark matter with lhaaso-analysis method	Mr LI, Wenlong
09:54	[72] Sensitivity estimation of LHAASO-WCDA for observing GLE events	Mr ZHANG, Yunfeng

LHAASO collaboration conference: Section 10 (10:16 - 12:00)

-Conveners: Tian-lu CHEN

time	[id] title	presenter
10:28	[74] Study horizontal air showers with LHAASO-KM2A	Dr GOU, Quanbu
10:40	[75] The lateral distribution of vertical and inclined showers during thunderstorms at LHAASO	Ms CHEN, Lin
10:52	[76] Thunderstorm activity at LHAASO observatory	Mr WANG, Peihan
11:04	[77] A study of atmospheric changes at LHAASO	Mr XIA, Junji
11:16	[78] Study of the Electron-Neutron Detector Array (ENDA) in Yangbajing, Tibet	Mr XIAO, Dixun
11:28	[79] Study of ENDA at LHAASO and HNU	Mr LI, Bingbing
11:40	[80] summary remarks	Prof. CAO, Zhen