

# The second LHAASO collaboration meeting in 2021 & LHAASO Project status meeting

Tuesday, 12 October 2021 - Friday, 15 October 2021

Courtyard by Marriott Shanghai Minhang

## Scientific Programme

<span style="background-color:#FF0000">2021/10/13 morning (8:30-12:00) Zoom Meeting  
ID: 87335377671 </span>

主持人: 周浩

领导致辞(10')  
上海交通大学李政道研究所领导致辞

Cao Zhen (10')  
open address

Chen Songzhan (10')  
Report of Physics Coordination Committee

ZHA Min (15'+5')  
Data analysis status of full WCDA array

Wu Sha (15'+5')  
Status of KM2A data analysis

马玲玲 (15'+5')  
Progress of measurement of cosmic ray spectrum with the LHAASO experiment

LIU Siming (15'+5')  
第3课题组工作总结

茶歇+合影 (25')

主持人: 王祥玉

李骢 (15'+5')  
Analysis of Cygnus Cocoon region using 1/2 and 3/4 km2a data

唐睿仪(15'+5')  
The preliminary results of cocoon on WCDA

ZHANG, xiao (15'+5')  
Broadband study of SNR G35.6-0.4

WU Sha (15'+5')  
Observation of gamma-ray emission from the SNR G106.3+2.7 region with LHAASO

<span style="background-color:#FF0000">2021/10/13 afternoon(13:00-16:00) Zoom Meeting  
ID: 87335377671 </span>

主持人: 袁强

柳若愚(10'+5')  
对Crab Nebula与Boomerang Nebula的研究

HE Haoning(10'+5')  
On the origin of ultrahigh photons from LHAASO J1843-0338

张海明(10'+5')  
Discovery of the UHE gamma-ray source LHAASO J1825-1326

郭莹莹(10'+5')  
Geminga附近扩散系数的研究

WANGZhen(10'+5')  
The preliminary Geminga result of WCDA full array.

茶歇 (15')

主持人: 杨睿智

毕效军(10'+5')  
脉冲星伽马halo要求存在慢扩散

方堃(10'+5')  
以新传播模型解释脉冲星晕LHAASO J0622+3755

陈恩生(10'+5')  
在KM2A上研究 "Pulsar Halos"

LI Ben(10'+5')  
Prospect of Detecting X-Ray Halos Around Middle-Aged Pulsars with the ROSITA Telescope

ZHANG Jianli(10'+5')  
报告2: Search for high energy pulsars with LHAASO

柴吟雪(10'+5')

Preliminary result of W51C with KM2A

<span style="background-color:#FF0000">2021/10/14 Morning (8:30-12:15) Zoom Meeting  
ID: 84986494264 </span>

主持人: 谭柏轩

ZHANG, Rui (10'+5')

Measurement of diffuse gamma ray at galactic plane by LHAASO-km2a

罗晴(10'+5')

Search for the optimal nearby sources for CR nuclei and electron

YU Yanhong(10'+5')

Preliminary Analysis of Diffuse Emission from PeV to Sub-PeV

胡世聪(10'+5')

Sky survey result based on LHAASO-WCDA fullarray data

高川东(10'+5')

Observation of TeV gamma-ray emission from PeV sources with WCDA data

LIN Sujie(10'+5')

The gamma ray simulation/experiment comparison of WCDA full-array data

吴含荣(10'+5')

WCDA数据模拟比较

茶歇 (15')

主持人: 戴本忠

李剑(10'+5')

Recent progress with LHAASO on SS 433 and TeV pulsar search

ZHOU Jianeng(10'+5')

A first look at TeV binaries with LHAASO-WCDA

文韬(10'+5')

Observation of TeV gamma-ray emission from Mrk421 with KM2A

WANG Ran(10'+5')

The observation of Mrk421 and Mrk501 with full WCDA data

姚玉华(10'+5')

lhaaso-wcda全阵列无触发数据伽马暴分析进展

MAO Jirong(10'+5')

GRB TeV emission: relativistic electron radiation in the random and small scale B-field

黄勇(10'+5')

brief analysis of GRB 210610A

<span style="background-color:#FF0000">2021/10/14 afternoon (13:30-17:15) Zoom Meeting  
ID: 84986494264 </span>

主持人: 郭福来

MA Bo-Qiang(10'+5')

LHAASO discovery of highest-energy photons towards new physics

GAO Linqing(10'+5')

Search for Dark Matter gamma-ray emission from dwarf spheroidal galaxies with LHAASO-KM2A

WEI Yongjian(10'+5')

Detection for dark matter signatures from dSphs with LHAASO-WCDA

李文龙(10'+5')

Search for Dark Matter with LHAASO-KM2A

吴雨生(10'+5')

Potentials of searching for new exotic particles with LHAASO

XU Yunfei(10'+5')

LHAASO源多波段证认及可视化

林婷婷(10'+5')

LHAASO-KM2A对HESS J0632+057周围的观测

茶歇 (15')

主持人: 冯存峰

GAO Wei(10'+5')

Observation of the large-scale anisotropy of cosmic rays with LHAASO

LIU hu(10'+5')

The All Particle Spectrum in the Knee Region measured by LHAASO

游智勇(10'+5')

Progress of Measurement of Cosmic Ray Spectrum of Proton by LHAASO Experiment

WANG Liping(10'+5')

Measurement of light composition energy spectrum with the LHAASO experiment

ZHANGHengying(10'+5')

Energy reconstruction of cosmic rays

段凯凯(10'+5')

A 3D Likelihood Analysis Tool for LHAASO-KM2A data.

高伟康(10'+5')

The Study of Muon Signal in WCDA

<span style="background-color:#FF0000">2021/10/15 morning (8:30-12:00) Zoom Meeting  
ID: 86795974520 </span>

主持人: 黎卓

CHEN Long(10'+3')

WFCTA激光标定系统

孙秦宁(10'+3')

Progress of laser data analysis

柯通(10'+3')

Progress of laser calibration data analysis of LHAASO site

CHEN suhong(10'+3')

Geometry and optics calibration of WFCTA telescopes using star light

GOU Quanbu(10'+3')

Study Horizontal Air Shower with LHAASO-KM2A

TIAN Xishui(10'+3')

不同天顶角下KM2A宇宙线的测量和模拟的比较

ZHANG Qinyuan(10'+3')

Simulation of Horizontal Air Shower detection with LHAASO

茶歇 (15')

主持人:马欣华

ZHOU Xunxiu(10'+3')

Thunderstorm-related cosmic ray variations detected by LHAASO

侯博文(10'+3')

探测器与天气

张云峰(10'+3')

Sensitivity estimation of ED for observing GLE events in scaler mode

李兵兵(10'+3')

Study of Simulation of ENDA

肖迪沅(10'+3')

Study of ENDA with Sand Cubes at YBJ

陈学健(10'+3')

Thunderstorm Activity at LHAASO observation

毕玉江(10'+3')

The status of lhaaso computing platform

Cao Zhen (13')

close remarks

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13:00

IB meeting