

LHAASO Scientific Observation and Multi-messenger Astronomy Workshop

Wednesday, 24 April 2019 - Sunday, 28 April 2019

Chengdu & Daocheng

Scientific Programme

Venues

CROWNE PLAZA CHENGDU CITY CENTER-CROWN HOLIDAY INN, No. 31 Zongfu Street, Jinjiang District, Chengdu, Sichuan Province, China

XIANGYUN HOTEL, Binhe Road, Jinzhu Town, Daocheng, Garze Tibetan Autonomous Prefecture, Sichuan Province, China

Timetable

Day 1: Registration, Wednesday, 24th April

Time

Program

Contact

14:00-20:00

Registration at Crown Plaza Chengdu City Center-Crown Holiday Inn

LOC

Day 2: Meeting at Chengdu, Thursday, 25th April

Morning Session 8:30-16:00 Gamma Ray

Venue: F/3 Conference Room A, Crown Holiday Inn

Time

Scientific Program

Project

Presenter

Duration (Min)

Chair

8:30-8:35

Welcome speech

LHAASO

CAO Zhen

5

CAO Zhen

8:35-8:55

Very-high-energy Gamma Rays in the Multimessenger Era

VERITAS-I

SANTANDER Marcos

15

8:55-9:15

Cosmic Accelerators Through the Eyes of Ground-Based Gamma-Ray Telescopes

VERITAS-II

FENG Qi

15

9:15-9:40

The MAGIC Highlights

MAGIC

MIRZOYAN Razmik (by TESHIMA Masahiro)

20

9:40-10:05

CTA Project

CTA-I

TESHIMA Masahiro

20

10:05-10:30

Coffee break

10:30-10:55

CTA Status

CTA-II

DELLA VOLPE Domenico

20

TESHIMA Masahiro

10:55-11:20

High-energy Observations of gamma-ray Binaries and Blazars

Binary

WANG Zhongxiang

20

11:20-11:50

Results from the High Altitude Water Cerenkov (HAWC) Observatory

HAWC

SPRINGER Wayne

25

12:00-13:30

Lunch break-- F/2 Cafe, Crown Holiday Inn

13:30-14:00

Gamma-ray Astronomy of LHAASO

LHAASO-I

CHEN Songzhan

25

DELLA VOLPE Domenico

14:00-14:30

The TAIGA Telescope

TAIGA

WISCHNEWSKI Ralf

25

14:30-14:55

Galactic Gamma Ray Sources With LHAASO

Galactic

ZHANG Xiao

20

14:55-15:20

Prospect of Detecting Pulsar TeV Halos With LHAASO and Implications

Pulsar

WANG Xiangyu

20

15:20-15:45

The Importance of Measuring the Diffuse Gamma Ray Flux at Very High Energy

Diffusive

VERNETTO Silvia

20

15:45-16:00

Coffee break

Afternoon Session 16:00-17:30 Neutrino & X-ray and other bands
Venue: F/3 Conference Room A, Crown Holiday Inn35

Time

Scientific Program

Project

Presenter

Duration (Min)

Chair

16:00-16:30

Variable Gamma-Ray Sky: Opportunities and Challenges

Soft X-Ray

CUI Wei

25

ZHANG Li

16:30-17:00

Insight-HXMT Observations of Black Holes, Neutron Stars and Gamma-ray Bursts

Hard X-ray and GRB

ZHANG Shuangnan

25

17:00-17:30

Multimessenger Astronomy with the IceCube Neutrino Observatory

IceCube

HANSON Kael

25

Dinner 17:40-19:30

Venue: F6 Jiaozi Hall, Crown Holiday Inn

Day 3: Meeting at Chengdu, Friday, 26th April

Morning Session 8:30-9:20 Neutrino & X-ray and other bands

Venue: F/3 Conference Room A, Crown Holiday Inn

Time

Program

Project

Presenter

Duration (Min)

Chair

8:30-8:55

Search for TeV Electron Neutrinos From High-energy Transients With the LHAASO Experiment

Neutrino in LHAASO

DI SCIASCIO Giuseppe

20

HANSON Kael

8:55-9:20

Transient High-energy
Neutrinos and Gamma-rays From Type II Supernova

Neutrino

LI Zhuo

20

Morning Session 9:20-12:10 Charged Particles
Venue: F/3 Conference Room A, Crown Holiday Inn

Time

Program

Project

Presenter

Duration (Min)

Chair

9:20-9:50

DAMPE

DAMPE

CHANG Jin

25

ZHANG Shuangnan

9:50-10:20

Expectation of Cosmic Ray Energy Spectrum With LHAASO

LHAASO-III

MA Lingling

25

10:20-10:35

Coffee break

10:35-10:55

The Telescope Array Experiment in the Multimessenger Astrophysics Era

TA-I

OGIO Shoichi

15

ZHANG Shuangnan

10:55-11:15

Multi-messenger Studies at the Telescope Array Observatory

TA-II

RUBTSOV Grigory

15

11:15-11:40

Features in the Galactic Cosmic Ray Spectra and Their Interpretation

Theory-CR

LIPARI Paolo

20

11:40-12:05

Detecting the High Energy Fermi Sources With Air Shower Arrays:the case for LHAASO

Physics with LHAASO

D'ETTORRE PIAZZOLI Benedetto

20

12:10-13:30

Lunch break—Crown Holiday Inn, F/2 Café

Afternoon Meeting 14:00-16:00 Scientific Observation Launching Ceremony
Venue: F/3 Conference Room A, Crown Holiday Inn

Day 4: Visit to LHAASO site at Daocheng, Saturday, 27th April

Time

Program

Contact

04:40-05:00

Transfer to the airport together

LOC

05:00-06:20

At the airport

06:20-08:00

To Daocheng by air

CA4215 Chengdu (CTU) T2 06:20 — Daocheng (DCY, 4,410 m.a.s.l.) 07:30 3U8111

Chengdu (CTU) T1 06:50 — Daocheng (DCY, 4,410 m.a.s.l.) 08:00

08:00-08:30

Breakfast

08:30-09:00

Move to Haizi Mountain by minibus and cars

09:00-11:00

Visit LHAASO construction site

11:00-12:00

Move to Daocheng Xiangyun Hotel by minibus rented

12:00-12:30

Check in at Xiangyun Hotel

12:30-14:00

Buffet unch at Xiangyun Hotel

14:00-17:30

Rest and free time

17:30-18:30

Have dinner at Xiangyun Hotel

Day 5: Return to Chengdu, Sunday, 28th April

Time

Program

Contact

06:20-07:20

Transfer to the airport together

LOC

07:20-08:25

Breakfast/snack

08:25-09:55

To Chengdu by air

CA4216 Daocheng (DCY) 8:20 — Chengdu (CTU) T2 9:25

3U8112 Daocheng (DCY) 8:50 — Chengdu (CTU) T1 9:55

End of the meeting.