

UTokyoNY Event by ICRR

Exploring the Universe with Multi-Messengers

2022
February 12th

9 : 30-17:00 (New York time)
Zoom Conference with YouTube
For Free (pre-register is required)

Institute for Cosmic Ray Research, The University of Tokyo explores the frontier of the cosmic ray physics, astrophysics and elementary particle physics based on the coordinated observation and interpretation of "multi- messenger" signals such as cosmic rays, gamma rays, neutrinos, gravitational waves, and dark matter. Researchers from ICRR and other research institutes and universities in the world get together in this symposium to discuss how to tackle the mystery of the universe through their research programs.

This Event is held online to commemorate the reopening of UTokyoNY after its full renovation..

Credit: NASA / JPL-Caltech / UCLA

New York Office Event, The University of Tokyo by ICRR

Symposium : **Exploring the Universe with Multi-Messengers**

Organizer : Institute for Cosmic Ray Research, The University of Tokyo (ICRR, UTokyo)

Host : New York Office, The University of Tokyo (UTokyoNY)

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Application deadline :
February 10, 2022

[Apply on the Web](#)



UTokyoNY
The University of Tokyo New York Office



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Exploring the Universe with Multi-Messengers

Timetable

Date: February 12 (Sat) in 2022 (New York time: GMT-5)

Zoom Conference with YouTube Broadcasting

9:30- 9:35 [5]		Opening Remarks	Prof. Hiroyuki Sagawa	ICRR
9:35- 9:50[15]		Greeting from UTokyoNY and the history of the office	President Masaharu Masuyama	UTokyoNY
9:50-10:00[10]		Greeting from a Guest	President David N. Spergel	Simons Foundation
10:00-10:40[40]	Keynote 1	Multi-Messenger Astronomy and ICRR	Prof. Takaaki Kajita (Director)	ICRR
10:40-11:10[30]	Very High Energy Gamma Ray	Gamma-ray Observation at Lapalma, Spain -Cherenkov Telescope Array	Prof. Masahiro Teshima	ICRR
11:10-11:40[30]		Very High Energy Gamma-Ray and Multi-Messenger Astronomy	Prof. Reshmi Mukherjee	Barnard College of Columbia University
11:40-13:30[110]		Lunch Break /Poster Session		
13:30-14:00[30]	Ultra High Energy Cosmic Ray	Highest-energy Cosmic-ray Observatory in Utah -Telescope Array	Prof. Hiroyuki Sagawa	ICRR
14:00-14:30[30]		Zeroing-in on the sources of UHECRs and VHE Neutrinos	Prof. Glennys Farrar	New York University
14:30-15:00[30]	High Energy Galactic Cosmic Ray	Probing the Universe from the Tibetan Highland -TibetAS γ	Prof. Masato Takita	ICRR
15:00-15:15[15]		Coffee Break / Poster Session		
15:15-15:55[40]	Keynote 2	A Brief History of LIGO and Gravitational Wave Experiments	Principal Investigator Peter. K. Fritschel	MIT Kavli Institute
15:55-16:25[30]	Gravitational Wave Detector	Current Status and Future Prospect of Multi-Messenger Gravitational Wave Astronomy	Prof. Peter Shawhan	University of Maryland
16:25-16:55[30]		Status and Future Prospect of KAGRA	Prof. Hideyuki Tagoshi	ICRR
16:50-17:00[10]		Closing Remarks	Prof. Takaaki Kajita (Director)	ICRR