

UTokyoNY Event by ICRR

## 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]  | <b>Keynote 1</b>                | 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<br>-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<br>-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 $\gamma$                   | Prof. Masato Takita                        | ICRR                                   |
| 15:00-15:15[15]  |                                 | Coffee Break / Poster Session                                                      |                                            |                                        |
| 15:15-15:55[40]  | <b>Keynote 2</b>                | 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                                   |