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国台学术报告 NAOC COLLOQUIUM

2019 年第 11 次 / No. 11 2019

Time: **Tuesday 10:00 AM, June 11th** Location: **A601, NAOC**

Introducing Institute for Cosmic Ray Research

Prof. Takaaki Kajita

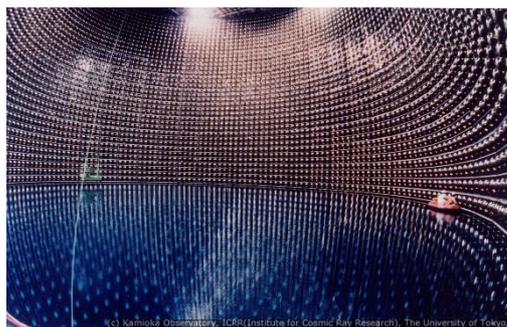
University of Tokyo



Takaaki Kajita is the Special University Professor at the University of Tokyo, and also the Director of the Institute for Cosmic Ray Research (ICRR) of the University of Tokyo. Kajita received his Ph.D. from the University of Tokyo School of Science in 1986, and has been researching at Kamiokande and Super-Kamiokande detectors at the Kamioka Observatory in central Japan. In 1998, at the Neutrino International Conference held in Takayama, Gifu, he showed the analysis results which provided strong evidence for atmospheric neutrino oscillations. **In 2015 he shared the Nobel Prize in Physics for his role in discovering atmospheric neutrino oscillations.** Currently, he is the project leader for KAGRA Project, aiming to explore the gravitational wave astronomy.

Abstract

The history of the Institute for Cosmic Ray Research (ICRR) began with a cosmic-ray observation hut called Asahi Hut in Mt. Norikura in 1950, which developed into the Cosmic Ray Observatory of the University of Tokyo in 1953. It was the first inter-university research facility in Japan. The headquarters of ICRR now is located on Kashiwa-campus of The University of Tokyo in Chiba, Japan. High-energy phenomena in the Universe and elementary particles are studied by observing various cosmic ray particles. Examples of the well-known achievements of ICRR are the observation of a neutrino burst by supernova SN1987A, and the discovery of neutrino oscillations using neutrinos produced by cosmic ray interactions in the atmosphere. In recent years, many exciting results have been obtained in the field of cosmic ray physics by various observations in the world. ICRR intends to continue to be one of the leading institutions that contributes to the world community of cosmic ray and astroparticle physics. In this talk, Prof. Kajita will introduce the scientific activities of ICRR.



All are welcome ! Tea and coffee will be served at 9:45 AM.