



62nd RAP Seminar

The 62nd Seminar on RIKEN Center for Advanced Photonics

Language: Japanese

Date: **March 15(Fri) 16:00 - 17:00, 2019**

Location: **W319, 3F, Cooperation Center, Wako Campus, RIKEN**

(理研 和光キャンパス 研究交流棟 3階会議室 W319)

Title: **Progress of Gravitational Wave Astronomy and Current Status of KAGRA**

重力波天文学の進展とKAGRAの現状

Speaker:

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Since the first detection of the gravitational wave (GW) by LIGO in 2015, eleven events have been observed so far (10: black hole binary merger, 1: neutron star binary merger). The third observation run (O3) will start in March and continue almost one year; we are hoping that much more events will be discovered in O3. KAGRA, the Japanese GW detector is being constructed in Kamioka. The most of the system has been installed and the commissioning and improvement of the system are continued in order to join O3 at a certain time during the observation period. In the presentation, the progress of GW astronomy and the current status of KAGRA will be reported.