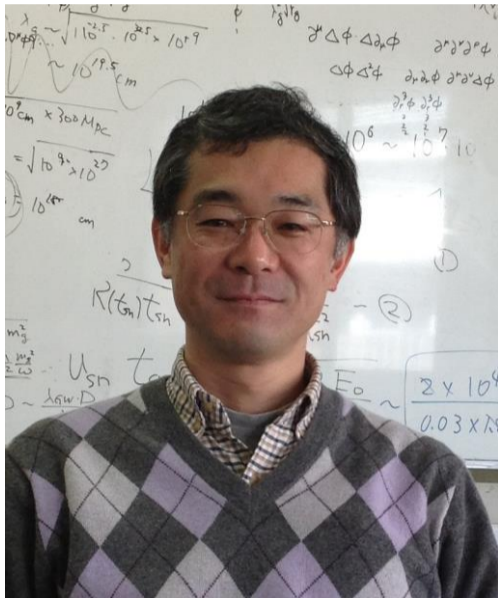


KMI-Colloquium

The Gravitational-wave astronomy: A new chapter in astronomy and astrophysics



Masaru Shibata
(Kyoto University)

Wednesday, 08 February, 17:30-
KMI Science Symposia (ES635)

Abstract:

Advanced LIGO achieved the first direct detection of gravitational waves from binary black hole mergers in 2015. This announces the opening of gravitational-wave astronomy. In the first part of this talk, I will review this first discovery and its implication. Then, I will give my perspective for gravitational wave astronomy in near future focusing on the merger of binary neutron stars. I will also emphasize the crucial role of numerical relativity for the success of gravitational-wave astronomy.

