

第 49 回 RESCEU コロキウム



東京大学大学院理学系研究科 附属ビッグバン宇宙国際研究センター

日 時: 2021 年 4 月 8 日(木) 13:00 ~14:00

場 所: オンライン (Zoom)

講 師: Kiwamu IZUMI 氏

(JAXA Institute of Space and Astronautical Science International Top Young Fellow)

Experimental activities for space gravitational wave observations

Abstract

Observations of gravitational waves at frequencies below 10 Hz are expected to yield a rich variety of new astronomical and astrophysical insight. In order to achieve such observations, the detectors are essentially required to be put in space. LISA is one of such space missions to be launched in 2034 and will open the unexplored frequency window at around 1 mHz. LISA will shed light on the growth mechanisms of super massive black holes and the nature of gravity. In this talk, I am going to give an overview of the LISA science and mission, and recent status with the instrument development including the one carried out by the LISA Japan instrument group. Additionally, I will introduce a new technology demonstration mission, named SILVIA, which was recently proposed for a JAXA's competitive M-class mission opportunity.

興味をお持ちの方の聴講を歓迎致します。