

Primordial Black Holes seeded during inflation

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Place 1131, Building 9 (Zoom ID: 881 5903 1592)

Speaker

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Abstract

Primordial black holes (PBHs) are a kind of black holes which may form during the primordial epoch of the universe. In this talk, I will discuss the formation mechanism of PBHs from the inflationary models.

Biography

Prof. Yingli Zhang obtained the PhD degree from the Yukawa Institute of Theoretical Physics (YITP) of Kyoto University in 2013, supervised by Misao Sasaki. After that, he was postdoctoral researcher in YITP, National Astronomy Observatory of China (NAOC), Institute of Cosmology and Gravitation (ICG) of the University of Portsmouth, Tokyo University of Science, Tokyo Institute of Technology. From 2020, he entered Tongji University as professor. His main interest is theoretical cosmology, including inflationary models, primordial black holes and modified gravity theories.