International Conference on the Physics of the Two Infinities



ID de Contribution: 107 Type: Non spécifié

What can we learn from gravitational waves?

lundi 27 mars 2023 15:00 (25 minutes)

The new cosmic window opened by gravitational waves is expected to further expand in the future. The aspect of gravitational wave astronomy, which captures astrophysical phenomena related to compact stars, is in the spotlight, but the understanding of fundamental aspects of physics using gravitational waves is also steadily in progress. We will discuss what kind of information can be extracted from gravitational wave observations, including expectations for future development.

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Classification de Session: Session

Classification de thématique: Gravitational Waves