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場　所: 理学部 4 号館 1 階ピロティ　RESCEU セミナー室

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Strong-Field Tests of Gravity with Gravitational Waves: Current Status and Future Improvements

Abstract

Gravitational waves provide a unique window into the strong-field regime of gravity, offering powerful opportunities to test general relativity and probe possible deviations. In this talk, I will review the current status of gravitational-wave–based tests of gravity, including those leveraging events in the latest transient catalog, and highlight the key insights gained to date. I will then discuss how upcoming observations with next-generation detectors are expected to further strengthen these tests.

興味をお持ちの方の聴講を歓迎致します。