Poster Session #B
Observational and space tests of gravitation

B06

Testing General Relativity with black hole X-ray data: recent progress and future developments

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The theory of General Relativity has successfully passed a large number of observational tests. The theory has been extensively tested in the weak-field regime with experiments in the Solar System and observations of binary pulsars. The past five years have seen tremendous progress in the study of the strong-field regime, which can now be tested with gravitational waves, X-ray data, and mm and sub-mm Very Long Baseline Interferometry observations. In my talk, I will summarize the state-of-the-art of the tests of General Relativity with black hole X-ray data, discussing its recent progress and future developments.