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CIDMA — CENTRO DE I&D EM MATEMÁTICA E APLICAÇÕES
CENTER FOR R&D IN MATHEMATICS AND APPLICATIONS

Gravitational Geometry and Dynamics Group Seminar

Wed. 28th September '22 Online at 11h30

Testing General Relativity with black hole X-ray data

Cosimo Bambi

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Zoom meeting ID 962 2413 8340

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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 5-6 years have seen significant advancements in the study of the strong-field regime, which can now be tested with gravitational waves, X-ray data, and 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.

https://videoconfcolibri.zoom.us/j/96224138340?pwd=YkZUMGlLb0dqVjcxOVpXMTFVMTBXQT09

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