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Gravitational waves: observations and mathematical aspects

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In this talk I will present a brief overview of the current gravitational wave detections and some of the most important consequences we can derive. I will also mention the plans for the forthcoming observation runs. In the last part of the talk I will comment on how mathematics can contribute in the field of gravitational wave astronomy, focusing on formulations of General Relativity, numerical simulations and data analysis.

Presenter(s) : Prof. CORDERO, Isabel (UV)

Session Classification : Gravitational waves