De *Madrid* al *Cosmos*

Gravitational waves: A new window to observe the Universe

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Abstract: Gravitational waves, small ripples in the space time, are a new and unique observational tool for exploring unknown aspects of the universe. In the first part of my talk, I will review recent discoveries and developments of gravitational wave observation. Then I will introduce my data analysis activity in KAGRA collaboration for exploring relic gravitational waves from the early Universe, such as cosmic string bursts and a stochastic background.

Lunes 4 de noviembre, 15:00 h Sala de seminarios (2º planta) Dept. De Física Teórica, UCM

Ciclo de seminarios organizado conjuntamente por los grupos • *Teorías Efectivas en Física Moderna* (UCM e IPARCOS) • *Gravitación y Cosmología* (IEM-CSIC)

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