



# Avviso di Seminario

Giovedì 04 settembre 11:30 Sala Riunioni (1)

**Manuela Campanelli**

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Terrà un seminario dal titolo :

**"Revealing the Hidden Universe of Merging Black Holes"**

**Abstract :**

The apparent simplicity of General Relativity 's fundamental equation has defied analytical solutions except in a few idealized cases. Until recently, even numerical techniques failed against the nonlinearities and singularities that are essential elements of the theory. Today, new computer simulations allow us to visualize the innermost workings of violent astrophysical phenomena, such as supernovae and collisions of black holes and neutron stars, which can generate powerful gravitational waves.