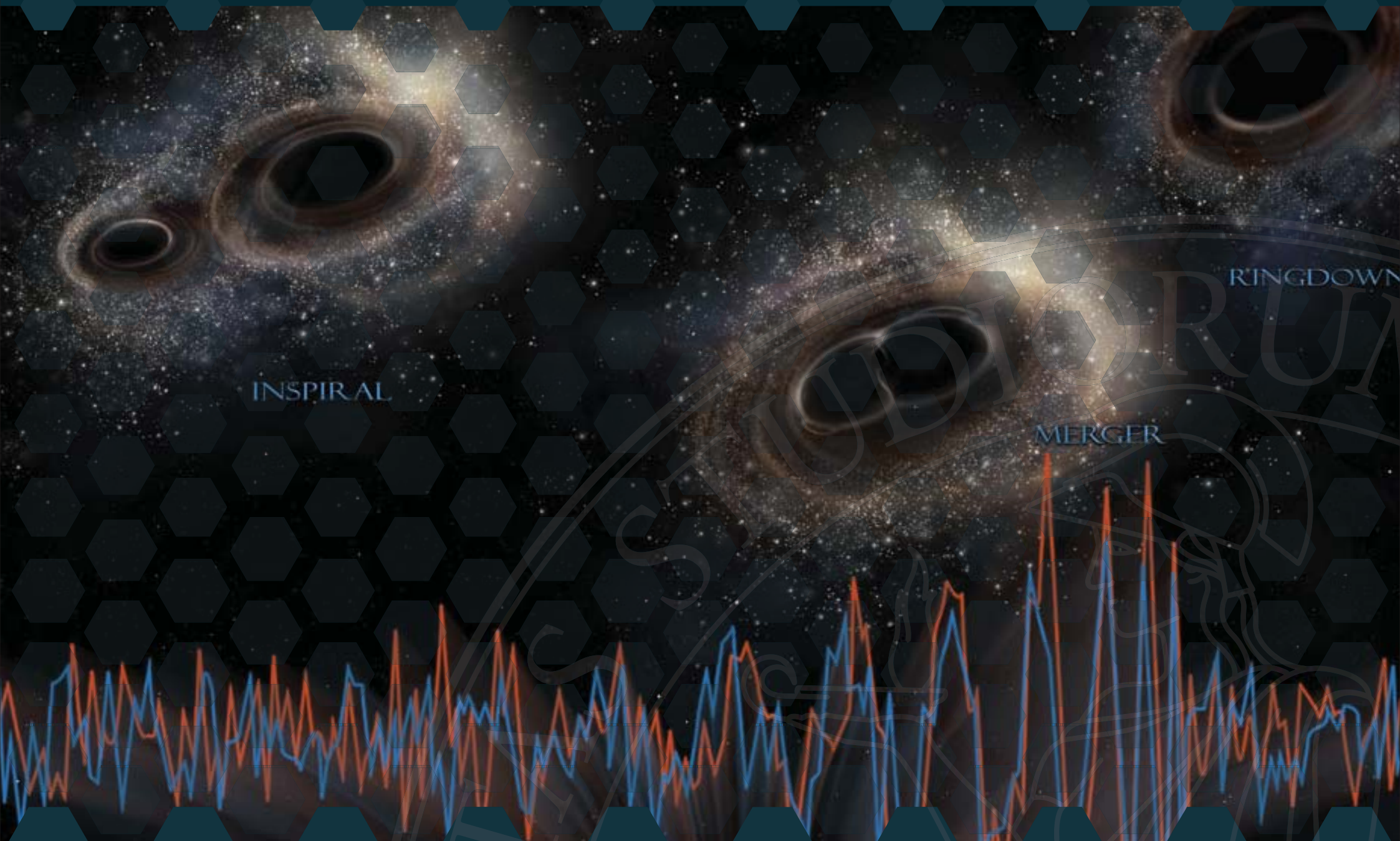


PHYSICS COLLOQUIA 2017



Gravitational waves, ripples in the fabric of space-time produced by catastrophic astrophysical events, are arguably the most elusive prediction of Einstein's theory of General Relativity, so feeble that Einstein himself thought their detection was impossible.

Nevertheless, one hundred years later, the Laser Interferometer Gravitational-wave Observatory (LIGO) has announced the observation of gravitational waves produced by the collision of two black holes.

This groundbreaking discovery marks the opening of a new window on the Universe and a new era of gravitational wave astrophysics, where gravitational waves will provide new insights into black holes and neutron stars, and maybe even reveal new objects.

In this talk I will present results from Advanced LIGO, and discuss its implications for a new gravitational wave astronomy.

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The discovery of gravitational waves in Advanced LIGO



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UNIVERSITÀ DEGLI STUDI DI MILANO
DOTTORATO DI RICERCA IN FISICA
ASTROFISICA E FISICA APPLICATA

Gli incontri si terranno alle **ore 14:30**
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