

VII Leopoldo García-Colín Mexican Meeting on Mathematical and Experimental Physics



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MARIO DÍAZ: Five years of Gravitational Wave Astronomy: What have we learned and what will we learn in the next five.

Friday, 21 February 2020 18:00 (1 hour)

On September 14, 2015 gravitational waves were detected for the first time when the merger of two Black-Holes was observed by the LIGO observatories. This momentous discovery started a new era for astrophysics. Yet again, on August 17, 2017 another monumental scientific feat thrust astronomy into a new paradigm: Multimessenger Astronomy was born thanks to the effort of several thousand physicists and astronomers observing the first binary neutron star merger witnessed by our civilization.

In this talk I will review the results that this new astronomy has brought about, the many open questions we face, discuss the challenges we need to tackle as we move into the next phase and speculate about the near future.

Session Classification: PUBLIC LECTURE