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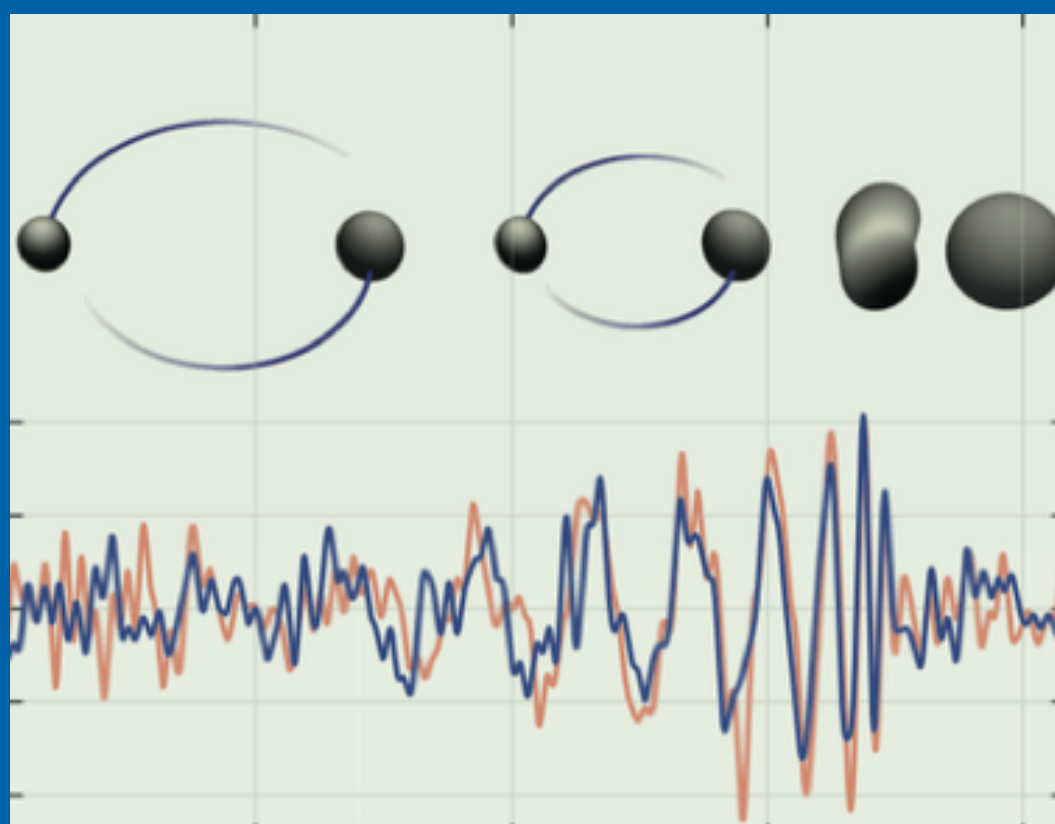
EMMI Featured Talk

Direct observation of gravitational waves from the merger and inspiral of two black holes

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GSI, Darmstadt, Lecture Hall



This talk follows the announcement made on February 11th by the LIGO Scientific Collaboration. On September 14, 2015, we detected the gravitational waves emitted by the final few orbits and merger of two black holes. In this talk, I present the main results, as well as some of the "behind the scenes" details of the discovery and subsequent analysis. I also briefly describe our December 26, 2015 detection of somewhat weaker gravitational waves from a similar system.