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Type: **Invited talk**

Binary black hole observations with Advanced LIGO

jeudi 1 juin 2017 16:30 (35 minutes)

The first direct detection of gravitational waves originated from a binary black hole coalescence during advanced LIGO's first observing run in September 2015. A subsequent confirmed detection in December of the same year established the birth of gravitational wave astronomy and the expectation that binary black hole mergers will be frequently observed with ground-based gravitational wave observatories over the coming decade. We will discuss binary black hole discoveries to date along with the ongoing searches for black holes in advanced LIGO's second observing run, which began in November 2016.

Auteur principal: Dr HANNA, Chad (Penn State)

Co-auteur: THE LIGO SCIENTIFIC COLLABORATION AND THE VIRGO COLLABORATION, - (-)

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Classification de Session: Binary Black Hole Science