

Gravitational Wave Overview

Monday, July 24, 2017 10:45 AM (30 minutes)

After the ground-breaking detection of gravitational waves from a couple of merging binary black holes in the first Advanced LIGO observing run, there is still a great deal to be learned about the population and astrophysics of gravitational-wave sources. I will share the latest news from the second observing run of the Advanced LIGO detectors, including the recently published event GW170104, and the picture we are starting to get of the masses and spins of merging binary systems.

I will also give a brief update on the status of the other ground-based gravitational-wave detectors which will join LIGO over the next few years, as well as pulsar timing campaigns and the LISA space mission.

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