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(I) Multi-messenger astrophysics with gravitational waves

Tuesday 8 June 2021 14:45 (20 minutes)

In less than five years, the field of gravitational wave astronomy has grown from a groundbreaking first discovery to revealing new populations of stellar remnants through distant cosmic collisions. I'll summarize recent results from LIGO-Virgo and their wide-reaching implications, give an overview of the instrumentation of the current Advanced LIGO detectors, and discuss prospects for the future of multi-messenger astrophysics with gravitational wave detectors on Earth and in space.

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Track Classification: Symposia Day (PPD) - Neutrino Physics and Beyond