



Contribution ID: 391

Type: **Invited talk in the parallel session**

Standard siren cosmology

Thursday, 8 July 2021 16:30 (20 minutes)

By observing the gravitational waves from the coalescence of a compact binary merger, it is possible to directly infer the luminosity distance to the source. This measurement does not use a distance ladder; the calibration is provided directly from the theory of general relativity. We discuss the present state of the field of GW cosmology, and its future promise.

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Session Classification: Non Standard Cosmological Probes

Track Classification: Fast Transients: Non Standard Cosmological Probes