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Cosmography with gravitational waves: from current detections to future observatories

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Compact binaries observed in gravitational waves (GWs) are standard distance indicators or standard sirens. This has opened up a novel path to measuring cosmological parameters such as the Hubble constant. In this talk we give a brief overview of the current results in this context from the LIGO-Virgo-KAGRA detector network, some of the near-future prospects, and finally move over to the unique opportunities offered by future GW observatories.

Presenter: GHOSH, Archisman (Ghent University)

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