

# The XXIX International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2022)



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## Gravitational Waves: observational forays into fundamental physics

*Thursday 30 June 2022 09:30 (30 minutes)*

With a rapidly increasing catalog of detected gravitational wave (GW) events since 2015, we have developed new ways of probing fundamental aspects of gravity and matter in extreme conditions. A violation of our current understanding of fundamental physics may manifest itself in ways that are testable by GW observations of astrophysical sources. In this talk I will summarise some of the recent results from GW experiments that are most relevant to this endeavour.

**Presenter:** AGATHOS, Michalis

**Session Classification:** Plenary