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## Phenomenology: Non-gaussian gravitational wave backgrounds across the GW spectrum

Monday, September 4, 2023 4:15 PM (15 minutes)

Stochastic gravitational wave backgrounds (SGWBs) are, to date, yet to be unequivocally observed. At the XXX frequencies, tentative evidence for the observation of such signals has been recently reported.

In this talk, I will focus on prospects for the detection of SGWBs of astrophysical origin in the 10-4 model.

I will show how recent progress in statistics and data-analysis tools for ground-based detectors might offer the opportunity for an imminent detection of popcorn-like SGWBs.

Moreover, I will describe the most recent findings on expected SGWBs of astrophysical origin, observable with future space-based observatories (e.g. LISA). They will pollute the observed datastreams, with far-reaching implications on the parameter reconstruction of individual resolvable sources.

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Session Classification: Parallel Sessions