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## Interplay between astrophysics and cosmology at LISA

We examine how a cosmological stochastic gravitational-wave background could interfere with the standard procedure used in LISA data analysis to subtract bright, individually detectable Galactic binaries. This subtraction step is essential for revealing weaker, unresolved signals, but the presence of an additional cosmological background can distort the outcome. We quantify this effect by studying how it influences the ability to reconstruct the parameters of the cosmological background itself.

### Which topic best fits your talk?

High Energy Physics and Cosmology

**Authors:** NARDINI, Germano (University of Stavanger); FINETTI, Marco (Aveiro University); Mr KARNESIS, Nikolaos

**Presenter:** FINETTI, Marco (Aveiro University)