

Synergies of LISA and ET

Tuesday 8 April 2025 11:30 (20 minutes)

LISA and ET will operate in different frequency ranges but with comparable integrated sensitivities to a stochastic GW background (SGWB). We explore their synergies in detecting cosmological SGWBs with large amplitudes and broad frequency spectra, arising from sources such as cosmological phase transitions, cosmic strings, and primordial inflation. By combining measurements from both detectors, we can more effectively characterize the GW spectrum across different frequency scales.

Author: MARRIOTT-BEST, Alisha (Swansea University)

Presenter: MARRIOTT-BEST, Alisha (Swansea University)

Session Classification: Contributed talks

Track Classification: UK Cosmo