



Contribution ID: 1230

Type: **Parallel Talk**

Searching for primordial features with LISA

Saturday, 9 July 2022 15:00 (15 minutes)

Observational constraints and prospects for detection of features, i.e. physically motivated oscillations in the primordial power spectrum, have so far concentrated on the CMB and Large Scale Structure surveys. Probing these features could, for instance, establish the existence of heavy particles beyond the reach of terrestrial experiments, and even test the inflationary paradigm or point to alternatives to it.

In this talk, I will discuss the ongoing effort to assess the detection prospects of such features with LISA, the upcoming space-based gravitational wave observatory.

In-person participation

Yes

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