



Contribution ID: 11

Type: **not specified**

## Searching for new physics with future CMB experiments

*Tuesday 17 September 2019 10:25 (35 minutes)*

Large scale B-mode patterns in CMB polarization, if detected, would constitute a “smoking gun” signature of primordial gravitational waves generated during an inflationary phase in the early universe. In this talk, I will discuss other sources of B-modes, such as primordial magnetic fields, axion-like fields and cosmic strings, and prospects of isolating their distinguishing features with future CMB measurements.

**Author:** Prof. POGOSIAN, Levon (Simon Fraser University)

**Presenter:** Prof. POGOSIAN, Levon (Simon Fraser University)