



Contribution ID: 132

Type: **not specified**

## **Invited talk by Nicoletta Krachmalnicoff (SISSA) on "Characterization of Foreground emission for CMB experiments: current status and future prospective"**

*Wednesday, 25 May 2022 09:00 (30 minutes)*

In the recent years it has become clear how the contamination coming from Galactic and extra-Galactic emissions represents one of the main limiting factor for any new science achievable with Cosmic Microwave Background observations. Having a thorough understanding of the foreground properties is therefore fundamental in order to achieve a reliable reconstruction of the clean CMB signal and to constrain its cosmological properties. In this talk I will review the current status of knowledge and characterization of foregrounds, focusing in particular Galactic polarized emission. I will summarize the main results from the latest analysis of available multi-frequency data, highlighting which are the main limitations in our current models and how we can overcome them in view of future CMB experiments.

**Session Classification:** Foregrounds