



ID de Contribution: 4

Type: **Oral presentation**

Characterizing the correlation properties of the atmospheric emission in the 10-20GHz range with QUIJOTE data

mercredi 28 février 2024 17:00 (15 minutes)

The QUIJOTE MFI instrument (2012-2018) observed the sky at four frequency bands, namely 11, 13, 17 and 19GHz, at 1 degree angular resolution. We can use the full database of MFI observations to characterize the correlation properties of the atmospheric signal in those frequency bands. This information will be useful to improve the current sky models at these frequencies, and could be used in further MFI reanalyses, or for the preparation of future observations at these frequencies (e.g. Tenerife Microwave Spectrometer). We will present the preliminary results of these analyses.

Astrophysics Field

Cosmology

Day constraints

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