



ID de Contribution: 6

Type: **Non spécifié**

## Retrieving cosmology from small scale CMB foregrounds

*mardi 16 novembre 2021 11:00 (20 minutes)*

Small scale CMB data contain a lot of cosmological information hidden in the different components : primordial CMB, tSZ effect, kSZ effect, CIB. Standard analyses assume templates for non primordial CMB component and lose the cosmological signature of large scale structures contained in secondary anisotropies.

I will present a new analysis of SPT data at small scales where the tSZ spectrum is derived from the halo model, or from Machine learning, and bring additional constraints. I will show the cosmological and scaling relation parameter constraints obtained by combining SPT CMB data and Planck tSZ measurements.

**Auteur principal:** DOUSPIS, Marian (IAS)

**Orateur:** DOUSPIS, Marian (IAS)

**Classification de Session:** Contributions