



Contribution ID: 68

Type: not specified

tSZ in high ℓ CMB data as cosmological probe: SPT+Planck

Tuesday, 29 June 2021 15:45 (30 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 and bring additional constraints. I will show the cosmological and scaling relation parameter constraints obtained by combining SPT CMB data and Planck tSZ measurements.

Primary author: DOUSPIS, Marian (IAS)

Co-authors: Dr SALVATI, Laura; Dr GORCE, Adélie

Presenter: DOUSPIS, Marian (IAS)