



Contribution ID: 29

Type: **not specified**

Impact of HWP systematics on the measurement of cosmic birefringence from CMB polarization

Tuesday, March 28, 2023 4:00 PM (40 minutes)

Employing an half-wave plate (HWP) as polarization modulator is a promising strategy to mitigate systematics in CMB experiments. However, if not calibrated well enough or accounted for correctly in the analysis, its non-idealities represent an additional source of systematics that can impact the science extracted from CMB. In this talk, I will show how their effect on the observed angular power spectra is partially degenerate with cosmic birefringence, according to both simulations and analytical computations.

Presenter: MONELLI, Marta

Session Classification: Afternoon session-2