



Contribution ID: 373

Type: **Poster**

## Parity odd CMB power spectrum via helical magnetic field.

*Tuesday 15 December 2015 17:15 (3 minutes)*

In this work we compute the temperature-polarization correlations ( $C_l(TB)$  and  $C_l(EB)$ ) in the cosmic microwave background (CMB) generated by the presence of causal primordial magnetic fields with a helical contribution.

We analyze the effect of an infrared cutoff in the power spectrum of causal fields on the cross-correlation and we compare our result with previous work.

**Primary author:** HORTUA, Hector Javier (Universidad Nacional)

**Co-author:** Dr CASTANEDA, Leonardo (Universidad Nacional)

**Presenter:** HORTUA, Hector Javier (Universidad Nacional)

**Session Classification:** 10 - Cosmic magnetic fields