

## Phenomenology 2023 Symposium



Contribution ID: 192

Type: not specified

# Chiral Plasma Instability in the Early Universe

*Monday 8 May 2023 15:45 (15 minutes)*

In my talk I will address possible parity symmetry violation as manifested through preferred chirality in the early universe and its imprints on cosmological observables. I will discuss the chiral plasma instability (CPI) induced in primordial plasma and driven by chiral magnetic effect. My particular interest will be to estimate the gravitational wave signal sourced by CPI and to determine its spectral characteristics and detection prospects.

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**Session Classification:** Cosmology I