



Contribution ID: 43

Type: **Regular Talk** (15'+5')

## Enhancing the early universe with rotating axion field.

*Wednesday 30 November 2022 11:15 (20 minutes)*

Rotations of an axion field in field space provide a natural origin for an era of kination domination in the early universe. We investigate how this cosmological scenario affects the spectrum of possible primordial gravitational waves, its implication for structure formation and relieving the Hubble tension.

**Presenter:** FERNANDEZ, Nicolas (Rutgers)

**Session Classification:** Dark Matter / Cosmology / Astroparticles

**Track Classification:** Dark Matter / Cosmology / Astroparticles