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Type: **Oral presentation**

Exploring the primordial universe with QUBIC: The Q&U Bolometric Interferometer for Cosmology

vendredi 29 novembre 2019 10:40 (20 minutes)

QUBIC is an experiment dedicated to the measurement of polarization B-modes of the Cosmic Microwave Background (CMB) using the novel technology of Bolometric Interferometry. In this talk, I will start with a brief explanation of the underlying physics: What are primordial B-modes and why it will give us invaluable insights on what happened during the inflation era, right after the Big Bang.

Then, I will present the current status of the project and the instrument architecture. The unique design of QUBIC brings new possibilities to CMB polarization mapping including self-calibration and spectroimaging.

Field

Cosmology/CMB modes/QUBIC

Language

English

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