

# The QUBIC experiment

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In this contribution we present the Q&U Bolometric Interferometer for Cosmology (QUBIC) experiment. QUBIC is an experiment devoted to the observations of the polarization of the Cosmic Microwave Background radiation with the goal to detect the signature of the Inflationary expansion of the Universe at  $10^{-35}$ s from the initial singularity.

QUBIC will measure the polarized microwave sky with a novel approach: the bolometric interferometry, which combines the sensitivity of state-of-the-art bolometric detectors, with the systematic effects control typical of interferometers. QUBIC will observe the sky in two main frequency bands: 150GHz and 220 GHz. A technological demonstrator is currently under testing and will be deployed in Argentina during 2019, while the final instrument is expected to be installed during 2020.

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