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The Cosmology Large Angular Scale Surveyor (CLASS): Overview and Survey Status

The Cosmology Large Angular Scale Surveyor (CLASS) is a set of four ground-based telescopes designed to measure and characterize the polarization signal of the cosmic microwave background (CMB) on the largest angular scales in order to probe the epochs of inflation and reionization. Located in a high-altitude site in the Atacama Desert, CLASS covers 70% of the sky in frequency bands centered at 38, 93, 148, and 217 GHz. Such frequencies allow us to avoid spectral regions of high atmospheric emission and span the minimum of the polarized Galactic foregrounds. We present an observatory overview, survey status and telescope instrumentation.

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