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The EMU Cosmology Project

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The Evolutionary Map of the Universe (EMU) is a radio continuum survey that, using the Australian SKA Pathfinder (ASKAP), aims to map the entire Southern Sky by 2028 and is expected to detect approximately 20 million extragalactic radio objects. Measuring the distribution of radio continuum galaxies on the sky provides a fast and accessible probe of the distribution of matter in the Universe, covering more than 12 billion years of cosmic history, which in turn can be used to learn about the initial conditions, the physics of dark matter, and the nature of the mysterious dark energy. I will give a status update of the first EMU Main Survey Cosmology measurements.

Topics

Cosmology

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