

Poster: Studying Star Formation with the Probe of Inflation and Cosmic Origins (PICO)

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The Probe of Inflation and Cosmic Origins (PICO) is a concept for a probe-class NASA mission. PICO will provide an all-sky map of the polarized emission from the Galaxy with an unprecedented combination of sensitivity and angular resolution in 21 frequency bands covering 21-799 GHz. With 1.1 arcmin FWHM resolution at 799 GHz, PICO will make detailed maps of thousands of molecular clouds, and will significantly advance our understanding of the role of magnetic fields in the star formation process. In addition, high-resolution observations of magnetic fields in the diffuse ISM will be used to study feedback processes and energy transport in the Milky Way.

Upcoming Facilities and Future Surveys