

Proposal Abstract:

We propose to observe all known pulsars in 17 globular clusters within the FAST sky, with the aim of measuring their polarization profiles and flux densities. The measurement of these properties is a fundamental aspect of astrophysics, crucial for understanding various physical parameters such as radiation mechanisms and magnetic field distributions. We aim to establish a comprehensive database of basic pulsar parameters based on the unprecedented sensitivity of FAST, laying a solid foundation for subsequent research endeavors.