NO: PT2024_0182

Proposal Abstract:

Pulsar timing is essential for determining basic parameters of newly discovered pulsars. The Galactic Plane Pulsar Snapshot (GPPS) survey has discovered 658 new pulsars using FAST. However, there is not enough observation time available to perform timing observations on all of these new pulsars within a year. We propose to observe 333 normal pulsars discovered in the GPPS survey to obtain one or two TOA measurements in 2024-2025 observation season, so that they can provide key data for future phase-coherent timing solutions. These data are very crucial to reduce the risk of phase jumps in future timing analyses.