

Proposal Abstract:

We propose to make polarization observations of 114 faint newly discovered GPPS pulsars to measure their rotation measures (RMs). The Galactic Plane Pulsar Snapshot (GPPS) survey has already discovered 566 pulsars to date. RMs of hundreds of newly discovered pulsars cannot be well determined with the present polarization data from the survey and confirmation observations due to insufficient signal to noise ratios. Longer integration times for these pulsars are required. These new observations will help us to obtain their RM measurements, which enable us to reveal the magnetic fields in farther spiral arms.