NO: PT2023_0179

Proposal Abstract:

We propose to investigate the two newly discovered CRAFTS pulsars PSR J2159+0202 and PSR J1239+0326 using FAST observations. We will study single pulse phenomena like nulling, subpulse drifting and mode changing. We plan to examine the pulsars' polarization properties, inclination angles, surface magnetic fields and emission variations among different profile components. The super-sensitivity of FAST will provides us with sufficient signal-to-noise ratio single-pulse observations.