NO: PT2024_0192

Proposal Abstract:

We propose to use FAST for pulsar timing of the millisecond pulsar J0416+5202g newly discovered by the Galactic Plane Pulsar Snapshot survey (GPPS). By looking at the certified pictures of this pulsar, it is initially determined that this is a pulsar in binary system. Through pulsar timing, we will obtain the precise period, period change rate and orbital parameters of this millisecond pulsar. The obtained orbital parameters include orbital eccentricity, binary mass, orbital period, etc.