

Proposal Abstract:

We propose to use FAST for pulsar timing of the two millisecond pulsars J0520+3722g and J0416+5202g newly discovered by the Galactic Plane Pulsar Snapshot survey (GPPS). By looking at the certified pictures of these two pulsars, it is initially determined that these are two pulsars in binary systems. Through pulsar timing, we will obtain the precise period, period change rate and orbital parameters of these two millisecond pulsars. The obtained orbital parameters include orbital eccentricity, binary mass, orbital period, etc.