

PID:PT2022_0150

Abstract:

We propose to study 10 nulling pulsars with or without periodic nulling phenomena. We plan to measure their nulling fractions, polarizations, and nulling periodic in one hour for each at L-band with FAST. The nulling pulsars detection sensitivities of FAST have been confirmed in the last observations of nulling pulsars detected by FAST. Thus, we are confident to observe and study the variation of the single pulse of these nulling pulsars. It will help us to reveal the evolution mechanism of the pulsars in their late life cycle.