

Proposal Abstract:

In this proposal, we will give a detailed study of five newly pulsars discovered by the Commensal Radio Astronomy FAST Survey (CRAFS). We will focus on three primary scientific goals: (1) Obtaining the basic characteristics of nulling of five pulsars, such as nulling fraction, the waiting time of pulse nulling and detail process of the start and end of nulling. (2) Obtaining the polarization characteristics of these five pulsars. (3) Based on the results from goals (1) and (2), we will provide an observational support for studying the nature of the nulling phenomenon, and give a further understanding of the geometric structure of pulsar emission regions.