

Proposal Abstract:

We propose to observe 9 newly discovered pulsars in the Commensal Radio Astronomy FAST Survey (CRAFTS), six of them are normal pulsars with measured spin periods, the other three are RRAT candidates with only one single pulse detected. Here we request a total of 27.5 hours to conduct follow-up observations for these 9 sources, our target is (1) obtaining their phase-coherent timing solution and locating them in the P-Pdot diagram to identify whether they are likely to be young magnetars or old pulsars near the death line; (2) studying their potential emission phenomena like nulling, sub-pulse shifting, mode changing.