

Proposal Abstract:

We propose FAST observations of the Globular Clusters(GC) M10 (NGC 6254) and M12 (NGC 6218) to continue our exploration of pulsars therein. Previous observations have discovered and confirmed four possible binary pulsars, M10A, B, and M12A, B. Moreover, these pulsars were found to be heavily affected by scintillation. We aim to re-observe the discovered pulsars with a long-term observation plan, to conduct timing analysis, and in the meantime study their scintillation effect. Meanwhile, we will search for hidden pulsars that were not yet found in previous observations. Our observations may provide more information on the evolution of low-density GCs.