

**Proposal Abstract:**

The recent investigation of correlation between spin-down behavior and pulse shape variations has changed our understanding of timing noise as well as the relationship between the radio emission and the properties of the magnetosphere as a whole. High sensitivity observations with FAST will help to study the mode changing behaviour in detail as well as its effect on the timing behaviour. We apply for FAST observations to investigate the correlation between pulsar emission and spinning behaviors for a few pulsars with quasi-periodic variations in their timing residuals.