

Proposal Abstract:

Fast Radio Burst (FRB) is one of most fascinating astronomical discoveries during the recent decade. Based on our previous researches, the detection of the sub-pulse drift pattern and quasi-periodic structure provides a very prospective way to reveal the origin of FRB, which is the most key and fundamental question in the field. We propose to monitor three pulsars and four repeaters, which have showed FRB-like drifting structures. The four repeaters are potentially highly active. This project intends to explore the strong connection between FRB and pulsars so that we can study the geometry and dynamic of charges in the magnetosphere of FRB source and compare them with those of pulsar.