

**Proposal Abstract:**

We propose to observe 4 pulsars: J1919+0134, J1921+1948, J1921+2153 and J2018+2839. J1919+0134 shows very simple sub-pulse drifting pattern; J1921+1948 has at least 3 ways of drifting and is multi-frequency-observed, but with few studies on polarization; J1921+2153 is the first pulsar discovered ever, showing many phenomena on polarization and sub-pulse drifting; J2018+2839 has diffuse drifting, it was observed by FAST before but having no polarization information. We want to get the 4 pulsars observed by FAST, to make detailed single pulses and polarization studies, which is quite a advantage of FAST. The studies may be related to theories on pulsar magnetospheres and radiation mechanisms.