NO: PT2023\_0212

## **Proposal Abstract:**

In Parks' latest observation, we found that there were pulses radiating only at 900-1200MHZ in PSR J0304+1932, whose radiation bandwidth was just within the frequency bandwidth that FAST could observe. This phenomenon has also been found in previous studies of FRBs and very few giant pulses. Therefore, the discovery of narrowband radiation in J0304+1932 not only allows us to further study the emission mechanism, but also provides us with new clues to understand the connection between pulses and FRBs. In order to study this phenomenon in detail, we recommend observing the pulsar for 7 hours. About 1000 sub-pulses with narrowband radiation characteristics, we hope to record baseband data in FAST using 49us sampling time.