

**Proposal Abstract:**

The shape of individual pulses may change in some pulsars, the average pulse profile remains highly stable over time. However, some pulsars have been observed to exhibit emission changes at various time scales. My observation application is mainly aimed at observing B0301+19 (J0304+1932), with the aim of studying its mode transition between strong and weak modes in periodicity, in order to understand its periodic regulation mechanism and the connection with existing sub drift phenomena. The total observation time is 4.5 hours, including 2 hours for fast calibration mode and 2.5 hours for source switching and polarization observation.