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Abstract:

We apply to observe 5 pulsars with micro-structures by using the FAST, explore the correlation of micro-structures' morphological properties with frequency inside the frequency range of 1-1.5 GHz. The relation between micro-structures' quasi-periods and pulsar spin period will be estimated by using the high-quality data. Furthermore, the polarization properties of micro-structures including the detail of linear and circular polarization degree of micro-structures and their variation along time will be studied. For each of them, 5000 single pulses are requested.