

Proposal Abstract:

There is a lack of polarization information for J1907+0859 and J1931+1439. We aspire to harness the exceptional sensitivity of FAST to observe the two pulsars, engaging in investigations of polarization and potential phenomena. Through rigorous data fitting techniques, we aim to deduce the pulsars' radiative geometric structure, encompassing crucial parameters such as the magnetic inclination angle, line-of-sight impact angle, and polarization position angle. This endeavor will not only validate established models but also propel further profound explorations into their radiation mechanisms.