

Proposal Abstract:

Discovering young pulsars associated with pulsar wind nebula is important for understanding the Galactic neutron star formation rate, the nature of the supernova explosion, and the injection of high-energy particles into the interstellar medium. In this proposal, we aim to search for weak pulsars from pulsar wind nebula that do not contain reported pulsars and to study the polarization of newly discovered pulsars and their PWNs with FAST.