

# FAST Proposal Coverpage

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## **Project Name:**

Searching pulsars in the nearby galaxies

## **Project Summary:**

Currently, only 29 extragalactic radio pulsars are observed in the Magellanic Clouds: 23 in the Large Magellanic Cloud (LMC) and 6 in Small Magellanic Cloud (SMC). Discovering more pulsars in other galaxies can be used to investigate the pulsar population in the galaxies, the galaxy evolution and the intergalactic medium. We propose to observe two satellite draft galaxies of the Milky Way. Both of them are dwarf spheroidal galaxies (dSph) at high galactic latitudes. Both single-pulse and periodicity searches will be performed.