NO: PT2023_0154

Proposal Abstract:

Repeating fast radio bursts (rFRBs) are key to understanding the progenitior and emission mechanisms of FRBs. Observations of repeating FRBs provides the opportunity for detailed study of the pulse profile and polarization properties, such as extreme polarization angle swings. We proposal FRB20171019A, a extremely bright fast radio burst discovered by ASKAP and with faint repeat bursts at 800 MHz as seen by the Green Bank Telescope. Re-detection at higher frequency band will allow us to study the long term evolution of this peculiar rFRB. Utilising the high sensitivity provided by FAST, we request time to follow up this rFRB in the 1.0-1.5 GHz band.