

Proposal Abstract:

Fast radio bursts (FRBs) are bright, millisecond radio transients of unknown astrophysical origin. Well-located, repeating FRBs provide some of the best opportunities to determine their nature. FRB 20211103A and FRB 20230104A are two of the new FRBs discovered by FAST-CRAFTS, with dispersion measures (DMs) several times larger than their Galactic dispersion values and an estimated dispersion redshift z of ~ 0.9 (FRB 20211103A) and ~ 1.65 (FRB 20230104A), respectively. Our proposed FAST follow-up observations of the two new FRBs promise to better reveal their repetition and will help to estimate the FRB burst event rate across the sky. If FRB 20211103A or FRB 20230104A is identified as a repeater, it will help to provide crucial information to further study the localization of FRBs and their counterparts.