

Proposal Abstract:

This proposal aims to conduct a joint monitoring campaign of the active repeating Fast Radio Burst (FRB) 20190520B using the FAST and Parkes telescopes to investigate its origins and radiation mechanisms. The monitoring will verify the existence of an active window, statistically analyze energy across different frequency ranges, track the dispersion measure (DM) evolution, and confirm the narrow-band spectrum energy distribution properties of FRB pulses. The collaborative effort is expected to provide insight into the radiation characteristics and origins of FRBs, with a planned observation of 1 hour per month for 12 months.