

Proposal Abstract:

The repeating fast radio burst (FRB) FRB 20201124A is one of the most active FRB. This source, arousing so many studies such bursts morphology, energy distribution, high level circular polarization and faraday conversion, deserves a following observations in the future. Whether it will become active or not, the regular subsequent observations will help us better determine the active period. In return, we can conduct an optimized follow-up strategy according to this period. Long term monitoring on the RM evolution will help us to testify whether it follows the prediction from magnetar model. In addition, FRB 20201124A presents many high circular polarization bursts which may indicate a different radiation mechanism. We expect more bursts with high circular polarisation to understand the radiation mechanism and physics of the propagation within plasma.