Proposal Abstract:

The Einstein Probe has been launched in early 2024. With a FOV of 3600 square degrees, its Wide-field X-ray Telescope has already detected numerous X-ray transients. Follow-up observations are urgently needed to verify their nature and study their multi-band behaviors. EP is projected to detect several new magnetars during its operational lifespan. Since the discovery of the FRB originating from the Galactic magnetar SGR 1935+2154, early radio follow-up observations of new magnetars have become increasingly popular and necessary. In this regard, we propose utilizing FAST observations to detect radio pulsations and bursts specifically from new magnetars triggered by EP.