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Abstract:

As the most sensitive current instrument above 10 TeV, The Large High Altitude Air Shower Observatory has detected several new sources with emissions up to 1000 TeV. The new sources discovered by LHAASO are increasing quickly. The origin of these TeV sources is still a mystery. Morphology and spectrum analysis indicates that the pulsar may be the source of their high-energy radiation. Therefore, we propose to search the potential pulsars in the vicinity of these TeV sources with FAST. Successful detection will help us to estimate the dispersion distance, age, and spin-down power which finally determine whether pulsar is their radio counterparts. It may also lead to new way to discovery pulsars.