

PID:PT2022_0055

Abstract:

HD 124224 is the best-studied member of the class of stellar radio transients known as stellar pulsars. Its circularly polarised radio pulses are explained by a model, which has consequences for the frequency-time dependence, polarisation and spectra of the pulses which can be tested using the high-frequency/time resolution observations of FAST. We propose to perform these tests and to demonstrate whether the FAST can be used to observe transient events on time scales of minutes to hours.