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Abstract:

We find six long period pulsars having narrow pulses during null state when we analyze data of the FAST Galactic Plane Pulsar Snapshot (GPPS) survey. These narrow pulses last in one period during nulls, very different from the weak emissions in null state previously reported. Because of long periods of these pulsars and low-probability occurrence of narrow pulses, we propose to observe these sources by FAST with long observation to understand the properies of narrow pulses.