**FAST Proposal Coverpage**

## Proposal Title:

**Scientific Category:**

Pulsar Timing Pulsar Search Galactic Spec-line

Extragalactic Spec-line FRB Continuum/Maser/Other

**Proposal Abstract:**

Resubmission or continuation of any previous proposal(s)? NO YES-Proposal Number(s):

**Hours requested for this proposal (including the overhead):**

**Receivers:** 19-beam(all) 19-beam(central) **Noise Calibration Types:** 10K 1K **Backend Selected:**

### Pulsar

Number of channels: 1K 2K 4K 8K

Bandwidth (MHz): 500

Sampling time (us): 49.152 98.304 196.608

 Spectral line

Backend: Spec(F) Spec(W+N)

Sampling time (s): 0.1 0.2 0.5 1

**Note: if you have any special requirements on the backend, please specify here.**

**PI Information:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** |  | **Institute** |  |
| **Email** |  | **Tel** |  |

**Co-I Information:**

|  |  |
| --- | --- |
| **Name/Institute** | **Name/Institute** |
|  |  |
|  |  |

**Source List:** *(Total number of sources: 1, here list first page of them. The Table lists the sources’ RA and DEC (except for the BasketWeaving, OnOff, PhaseReferencing, SolarSysTracking and SolarSysDrift modes). For the BasketWeaving mode, Start\_DEC and End\_DEC are listed here. For the OnOff and PhaseReferencing mode, only the ON position is listed due to page width limit. For the SolarSysTracking and SolarSysDrift modes, TargetNumber is listed here. The last column is center frequency(MHz) for Spec(W+N) backend mode.)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source\_Name** | **Observing\_Mode** | **Int\_Time(s)** | **RA/Start\_DEC/ TargetNumber** | **DEC/End\_DEC** | **Freq.** |
|  |  |  |  |  |  |

**Have you checked the FAST archive to avoid any duplication?**

Yes  No 

**If any of the targets in the “Source List” of this proposal has been observed with the FAST before, please justify why further observations are needed here?**

**Has any of the PI and co-I(s) been awarded telescope time in previous FAST observing cycles?**

Yes  No 

**If yes, please provide the details of the related project(s), including at least the observing progress, the data quality, and any publications already made or to be expected.**

**Science Case**

*(This should be at most* *4 single-column pages in a font of* ***12 pt*** *size)*

**1. Scientific justification**

**2. Technical Justification, including but not limited to the observing time request**

*（Justify the on-source integration time and overhead, the observing mode, and any other setup that is needed to achieve your scientific goals.）*