

## Pulsar timing arrays and implications

*Wednesday 27 August 2025 11:30 (30 minutes)*

In the talk, we will present the results of high precision pulsar timing of 57 millisecond pulsars conducted using the the Chinese FAST 500-meter radio telescope. Particularly, we will highlight the gravitational wave searching efforts of the Chinese Pulsar Timing Array collaboration. More backgrounds and topics on pulsar timing, nanoHertz GW detection, and gravity test will be also covered. Future Chinese perspective in the related field will be also discussed.

### Collaboration you are representing

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**Session Classification:** Plenary session

**Track Classification:** Gravitational Waves