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Status of the European Pulsar Timing Array

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The European Pulsar Timing Array is a collaboration between European research institutes and radio observatories that was established in 2006. The EPTA makes use of the five largest radio telescopes at decimetric wavelengths in Europe: the Effelsberg Radio Telescope, the Lovell Radio Telescope, the Nançay Radio Telescope, the Westerbork Synthesis Radio Telescope and the Sardinia Radio Telescope. The main goal of the EPTA is the direct detection of gravitational waves using high-precision timing of an ensemble of millisecond pulsars. We will present here the status of the EPTA and show some of the latest pulsar timing results obtained with nearly 20 years of data.

Collaboration

European Pulsar Timing Array (EPTA)

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