

Abstract Submitted
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Detecting Gravitational Waves with Pulsar Timing Arrays
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versity of Wisconsin – Milwaukee — Long-term high-precision astronomical timing
observations of a network of pulsars, a pulsar timing array, open a portal onto low
frequency gravitational waves. In this talk I'll discuss progress on efforts to detect
both a stochastic background of gravitational radiation and gravitational waves from
un-modeled bursts of gravitational waves using a pulsar timing array. I'll also ad-
dress prospects for stochastic backgrounds of gravitational waves from cosmological
sources in the pulsar timing band.

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