

Abstract Submitted
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Detecting gravitational wave bursts with Pulsar Timing NEIL CORNISH¹, Montana State University, JUSTIN ELLIS, JPL, Caltech — The history of astronomy has shown that the Universe is full of surprises. One of the great hopes for gravitational wave astronomy is the discovery of unanticipated phenomena. To accomplish this we need to develop flexible analysis techniques that are able to detect signals with arbitrary waveform morphology. Here I will describe a multi-wavelet approach for the analysis of timing residuals from a pulsar timing array.

¹Please schedule my talk immediately after the related talk by my co-author Justin Ellis

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