

# Searching for Gravitational Waves from Cosmic Domain Walls

*Wednesday, November 9, 2022 11:10 AM (30 minutes)*

I will explore the possibility that theories with unstable Domain Walls in the Early Universe could be responsible for the generation of a Gravitational Wave background signal, focusing in particular on the recent signal detected by Pulsar Timing Arrays experiments, NANOGrav 12.5 years dataset and International PTA Data Release 2 (IPTA DR2). As an example, a QCD Axion much heavier than usual might generate such a signal.

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