

# JOINT TUFTS/MIT COSMOLOGY SEMINAR

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## *Gravitational wave results from NANOGrav*

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Last year, the North American Nanohertz Observatory for Gravitational waves (NANOGrav) announced strong evidence for a gravitational wave background at very low frequencies. This background may come from supermassive black holes orbiting each other at the centers of galaxies, or from a more exotic source such as cosmic strings, early universe phase transitions, or inflation. I will present our results, how we achieved them, what we can learn from them, and what to expect from pulsar timing arrays in the future.

Tuesday, April 23, 2024, 2:30 pm  
Cosman Seminar Room  
Center for Theoretical Physics  
Building 6C, Room 6C-442  
Massachusetts Institute of Technology