

# JOINT TUFTS/MIT COSMOLOGY SEMINAR

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## *Fun with black holes*

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GW observations finally give us firm evidence that god is playing billiards with black holes. I will discuss a couple of interesting BH-related phenomena that one might look for in GW sky. Firstly, I will discuss GW memory, which is potentially detectable by LISA (very likely), LIGO (if we are patient), and Pulsar Timing Arrays (if we and our descendants are patient). Secondly I will discuss vibrating nets of black holes connected by cosmic strings, physically interesting objects that may arise in the early Universe if both cosmic strings and primordial BHs are present. A possible third fun thing might also be discussed.

Tuesday, March 5, 2019, 2:30 pm

574 Boston Ave, Room 310

Tufts University

Refreshments at 2:00 outside room 304