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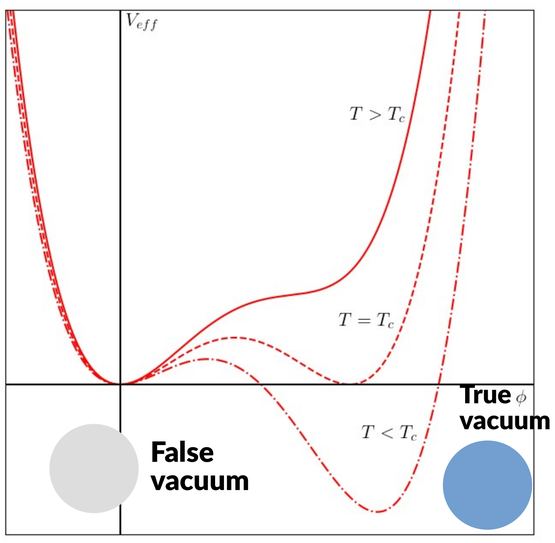
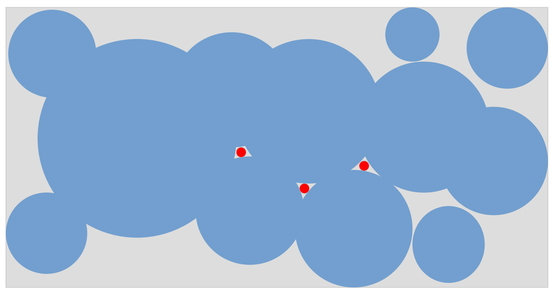
Pulsar timing arrays *can* probe primordial black holes produced in a first order phase transition.

First Order Phase Transitions

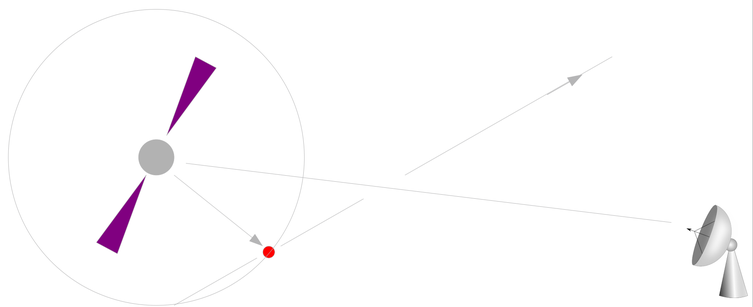


Trapped DM

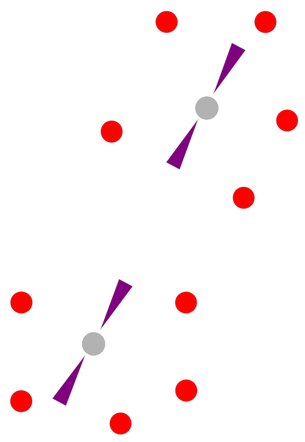
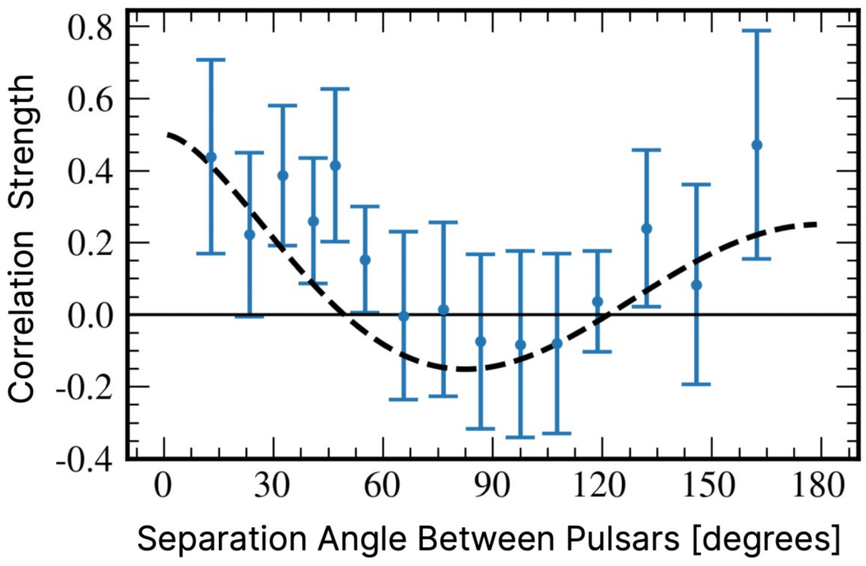
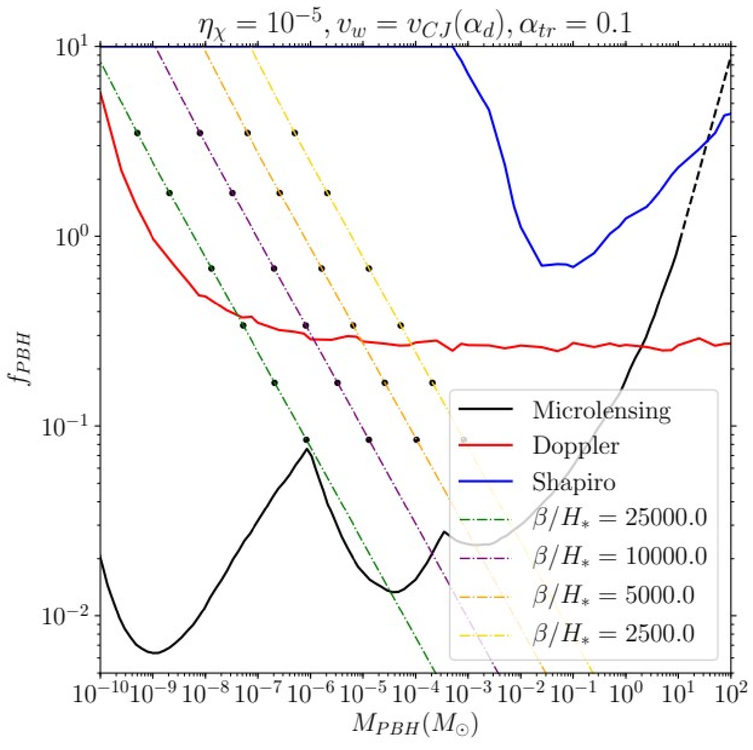
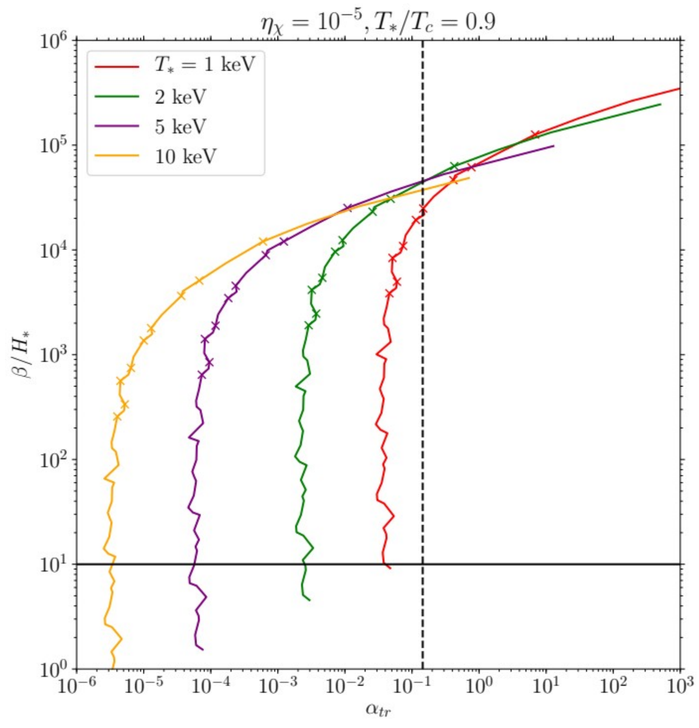
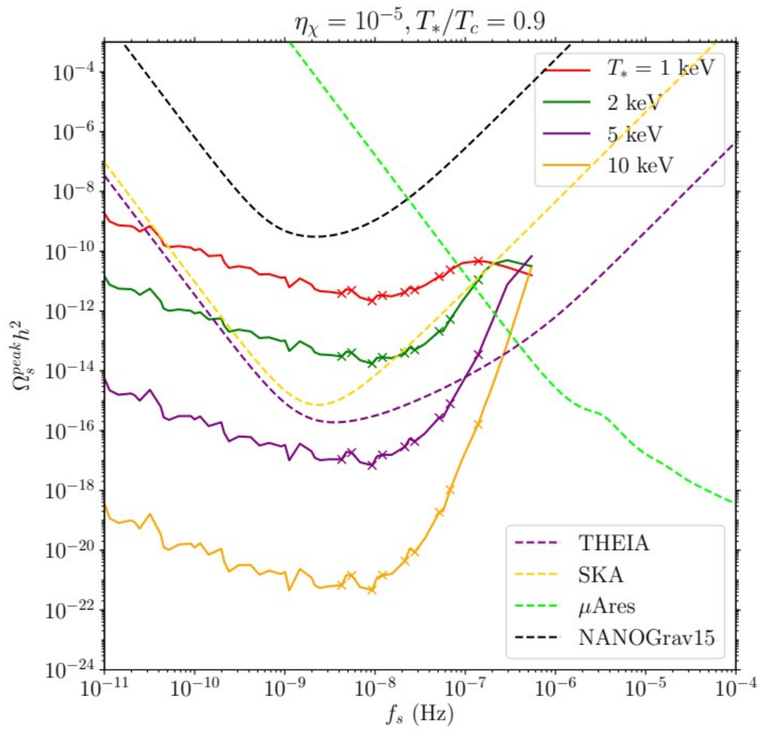


Primordial Black Holes

Doppler distortion



Pulsar Timing Arrays



Stochastic Gravitational Waves