

Macroscopic Dark Matter Detection with Extreme Mass Ratio Inspirals and mini-EMRIs

Thursday, 15 June 2023 18:30 (20 minutes)

I will discuss the detection of macroscopic dark matter candidates such as primordial black holes, boson stars, etc, with a special kind of binary system, the extreme mass ratio inspirals, which is a main target for future space-based gravitational wave detectors, and emphasize its advantages in detection of subsolar exotic compact objects. I will also introduce the mini-EMRIs that can be searched for at LIGO.

Secondary category for the parallel session (optional)

Dark Matter Physics

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