



Contribution ID: 68

Type: **Talk in a parallel session**

Detection of Exotic Compact Objects with Extreme Mass Ratio Inspirals and mini-EMRIs

Friday, July 12, 2024 3:20 PM (20 minutes)

I will discuss the detection of exotic compact objects, such as primordial black holes, boson stars, etc, with gravitational waves from a binary system where the mass ratio is extremely small (or large), and show that such extreme mass ratio inspirals and mini-EMRIs are ideal systems for detection of very light exotic compact objects, and that they serve as important targets for space-based and terrestrial gravitational wave detectors.

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Session Classification: Low frequency gravitational waves: sciences and detections

Track Classification: Gravitational Waves (GW): Low frequency gravitational waves: sciences and detections