

The 2025 Beijing Particle Physics and Cosmology Symposium (BPCS): early Universe, gravitational-wave templates, collider phenomenology

Contribution ID : 37

Type : **not specified**

Searching for axions with gravitational waves

Sunday, 28 September 2025 14:00 (30)

In this talk, I will review recent progress of using LIGO observations to constrain parameter space of axion-like particles. I will also discuss the frontiers of understanding the co-evolution of axion clouds and binary systems, including both stellar-mass black hole binaries and extreme mass-ratio inspirals.

Presenter(s) : Prof. YANG, Huan (Tsinghua University)

Session Classification : Plenary