

# **Audible Axions: Probing axion-like particles using gravitational waves**

*Wednesday, 1 July 2020 11:00 (1 hour)*

The talk will be given remotely:

Join Zoom Meeting

<https://technion.zoom.us/j/94690471513?pwd=NXEyeitvaXY5dzYrMExDMnZlZXRxUT09>

Meeting ID: 946 9047 1513

Password: HEP\_Joint

Abstract: Gravitational waves offer a new possibility to probe the early universe. After a brief overview, I will focus on the audible axion scenario, in which dynamics of the axion after inflation leads to an observable GW signal with distinct characteristics.

**Presenter:** SCHWALLER, Pedro (Argonne National Laboratory/UIC chicago)