

# Gravitational waves from axion and related searches

*Wednesday, 10 August 2022 14:30 (15 minutes)*

We discuss the axion objects such as axion mini-clusters and axion clouds around spinning black holes, which induce parametric resonances of electromagnetic waves through the axion-photon interaction, as well as high frequency gravitational waves through gravitational Chern-Simons (CS) coupling. We also present some new detection schemes for axions and high frequency waves.

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