

# Axion masses, decay constants, and photon couplings in F-theory ensembles

*Tuesday 8 July 2025 14:24 (17 minutes)*

We compactify F-theory on Weierstrass models over various toric threefold bases, and compute the masses, decay constants, and photon couplings of the associated axions.

**Presenter:** VANDER PLOEG FALLON, Sebastian

**Session Classification:** Parallel Session 3