

3/02/2023, 10:30am--11:00am

Speaker: Malte Buschmann (Princeton)

Title: The QCD Axion Mass

Abstract: If the axion is generated after inflation there is a unique mass that gives rise to the observed DM abundance; due to nonlinearities and topological defects known as axion strings, computing this mass accurately has been a challenge for four decades. Unfortunately, recent works have led to largely disparate predictions for the axion mass. I will go through some of the possible reasons for these discrepancies.