

Preheating the String Axiverse

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The standard reheating process after inflation can be preceded by preheating, a phase where the oscillations of the inflaton field at the bottom of its potential lead to explosive production of particles via parametric resonance, potentially altering the history of the universe.

I will discuss an inflating modulus, coupled to an axion via a typical potential coupling coming from type IIB string theory on Calabi-Yau orientifolds and explore the consequences of parametric resonance in the string axiverse.

Title of the Poster/Talk

Related Papers/Preprints

arXiv:2312.13431

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