

# Gravitational Wave Probes of Physics Beyond Standard Model 2

Contribution ID : 14

## Inflation... numerically speaking

Thursday 01 Dec 2022 at 14:30 (01h00')

### **Content :**

We will introduce CosmoLattice, a modern code for simulating the non-linear dynamics of interactive fields in an expanding background. As an application we will solve two different problems of inflationary cosmology: i) the non-linear dynamics of axion-inflation, ii) the use of gravitational waves from preheating as a probe of particle interactions

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