

## Session Program

Jun 10 - 14, 2024

**SUSY 2024**

Theory meets Experiment

Madrid

10-14 June 2024

# **SUSY24: The 31st International Conference on Supersymmetry and Unification of Fundamental Interactions**

## ***Cosmology and modified gravity***

IFT (Madrid, Spain)

Instituto de Física Teórica / Institute of Theoretical Physics (Madrid, Spain) website: [https://  
www.ift.uam-csic.es/en](https://www.ift.uam-csic.es/en)

# Thu, June 13

5:10 PM

## Cosmology and modified gravity

Session | Location: Sala Gris I

5:10 - 5:30 PM

### Curvature Perturbations Protected Against One Loop

**Speaker**

Keisuke Inomata

5:30 - 5:50 PM

### CMB hotspots from tachyonic instability of the Higgs potential

**Speaker**

Julia Ziegler

5:50 - 6:10 PM

### Modular Stabilization and Modular Inflation

**Speaker**

Wenbin Zhao

6:10 - 6:30 PM

### Understanding the reheating dynamics and Baryogenesis

**Speaker**

Gabriel Aragão

6:30 - 6:50 PM

### Borel resummation of secular divergences in stochastic inflation

**Speaker**

Ryusuke Jinno

6:50 PM

# Fri, June 14

12:00 PM

## Cosmology and modified gravity

Session | Location: Sala Gris I

12:00 - 12:20 PM **Dark Radiation Isocurvature from Cosmological Phase Transitions**

**Speaker**

Mitchell Weikert

12:20 - 12:40 PM

**Cold dark matter particle mass, size, and properties and axion-like dark radiation in  $\Lambda$ CDM cosmology**

**Speaker**

Zhijie (Jay) Xu

12:40 - 1:00 PM

**A minimal solution to the axion isocurvature problem from a non-minimal coupling**

**Speaker**

Maximilian Berbig

1:00 - 1:20 PM **Hybrid Inflation with QCD axion dark matter**

**Speaker**

Yuma Narita

1:20 PM