

**Session Program**

**22-26 Nov 2021**

**Computational Tools for High Energy Physics  
and Cosmology**

***Cosmology***

IP2I, Lyon  
Institut de Physique des 2 Infinis (IP2I) Lyon, France

# Wednesday 24 November

09:00

## Cosmology

**Session** | **Location:** IP2I, Lyon, Institut de Physique des 2 Infinis (IP2I) Lyon, France | **Convener:** Alexandre Arbey

09:00–09:30 **Review on Tools for Cosmological Phase Transitions**

**Speaker**

Graham White

09:30–10:00 **Overview on CMB Codes**

**Speaker**

Antony Lewis

10:00–10:20 **Beyond the Standard Model with BlackHawk v2.0**

**Speaker**

Jérémy Auffinger

10:20–10:30 **Buffer for overruns or discussions**

10:30–11:00 **Break**

11:00–11:20 **MiMeS, the Misalignment Mechanism Solver**

**Speaker**

Dimitrios Karamitros

11:20–11:40 **A new cosmic muon generator for cosmic-ray muon applications**

**Speaker**

Nicola Zurlo

11:40–12:00 **DarkSUSY 6: beyond supersymmetric dark matter**

**Speaker**

Torsten Bringmann

13:00