

## **Session Program**

**August 28, 2023 to September 2, 2023**



## **Cosmology 2023 in Miramare**

### ***Parallel***

SISSA Building, Miramare, Trieste, Italy, Main Auditorium  
Via Beirut 2, Trieste

# Fri, September 1

3:00 PM

## Parallel: 1

**Session** | **Location:** SISSA Building, Miramare, Trieste, Italy, Main Auditorium, Via Beirut 2, Trieste

3:00 – 3:25 PM

### Primordial Black Holes during the QCD phase-transition

**Speaker**

Ilia Musco

3:25 – 3:50 PM

### Stochastic Multiple Fields Inflation and Primordial Black Holes Formation

**Speaker**

Kosar Asadi

3:50 – 4:15 PM

### The early growth of massive galaxies and how it is shaped by black hole feedback

**Speaker**

Manuela Bischetti

4:15 – 4:40 PM

### Highlights from the Pierre Auger Observatory

**Speaker**

Ruben Mauricio Da Silva Conceicao

4:40 – 5:00 PM

### Coffee Break

5:00 – 5:25 PM

### A new channel for supermassive black hole formation

**Speaker**

Carlos Argüelles

5:25 – 5:50 PM

### Supermassive black holes from Pop III.1 stars with dark matter self-annihilation and their gravitational wave background

**Speaker**

Jasbir Singh

5:50 PM

3:00 PM

## Parallel: 2

**Session** | **Location:** SISSA, Lecture Room D

3:00 – 3:25 PM

### THERMAL QCD AXION PRODUCTION FROM THE EARLY UNIVERSE

**Speaker**

Alessio Notari

3:25 – 3:50 PM

### Prospects for blind CMB B-Modes reconstruction in future experiments

**Speaker**

Alessandro Carones

3:50 – 4:15 PM

### Mimetic Inflation and Self-reproduction

**Speaker**  
Mariam Khaldieh

4:15 - 4:40 PM

**Cosmological Constraints on Beyond Standard Model Neutrino Physics**

**Speakers**  
Daniela Kirilova, Daniela Kirilova

4:40 - 5:00 PM **Coffee Break**

5:00 - 5:25 PM **Fundamental physics using high resolution quasar spectroscopy**

**Speaker**  
Dinko Milakovic

5:25 - 5:50 PM **New Bounds on Monopoles from Intergalactic Magnetic Fields**

**Speaker**  
Daniele Perri

5:50 - 6:15 PM

**A transitional Planck Mass exploration in light of cosmological tensions**

**Speaker**  
Giampaolo Benevento

6:15 - 6:40 PM **Impact of a  $\Lambda$ CDM extension on UHECRs**

**Speaker**  
Janning Meinert

6:40 PM