### **Session Program**

### 28 August 2023 to 2 September 2023



# **Cosmology 2023 in Miramare**

### Parallel

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

### Monday 28 August

15:00-15:25	Can we trust to the N-body simulations of cosmological structures?
Speaker Anton Baushev	
Anton Baushev	
15:25-15:50	
More accura	ite dark matter density profiles using dynamical information
<b>Speaker</b> Claudia Muni	
15:50-16:15	DarkSide-20k and the Liquid Argon Dark Matter Program
<b>Speaker</b> Dr Rafal Wojacz	ynski
16:15-16:40	Cosmology with multiple halo sparsities
<b>Speaker</b> Amandine Le Br	un
16:40-17:00	Coffee Break
17:00-17:25 Detecting a Array	nd characterizing dark matter sub-halos with the Cherenkov Telescope
<b>Speaker</b> Veronika Vodeb	
17:25-17:50	Challenging the ultralight dark matter paradigm
Speaker	
Clemente Smar	ra
Clemente Smar 17:50-18:15 Quantum fie the FLRW sp	eld corrections to the equation of state of freely streaming matter in Nace-time
Clemente Smar 17:50-18:15 Quantum fie the FLRW sp Speaker Daniele Roselli	eld corrections to the equation of state of freely streaming matter in bace-time
Clemente Smar 17:50-18:15 Quantum fie the FLRW sj Speaker Daniele Roselli Parallel: 2 Session   Loca	eld corrections to the equation of state of freely streaming matter in pace-time
Clemente Smar 17:50-18:15 Quantum fie the FLRW sj Speaker Daniele Roselli Parallel: 2 Session   Loca 15:00-15:25	eld corrections to the equation of state of freely streaming matter in bace-time tion: SISSA, Lecture Room D Tuning the radio to cosmology

1

#### 15:25-15:50

## NGC7727: Numerical model of Supermassive Black Holes and host galaxy complex co-evolution.

Speaker

Peter Berczik

#### 15:50-16:15

# Quasars and intergalactic medium: QUBRICS and ESPRESSO results on the cosmic ionizing background and the Sandage test of redshift drift

#### Speaker

Stefano Cristiani

#### 16:15-16:40 Near-field cosmology and the formation of the Milky Way

Speaker

Valeria Grisoni

16:40-17:00 Coffee Break

#### 17:00-17:25

## Emulating large-scale structure formation at the field level with styled neural networks

#### Speaker

Dr Drew Jamieson

#### 17:25-17:50

Learning reionization history from high-redshift quasar damping wings

#### Speaker

Timo Kist

#### 17:50-18:15 The impact of baryons on the density profiles of haloes

#### Speaker

DANIELE SORINI

18:15