

Session Program

22-26 Aug 2022



COSMO'22

Plenary Talk

Rio de Janeiro
Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

Sunday 21 August

09:10

Plenary Talk

Session |**Location:** Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

09:10-09:50

A travel through CMB science: accomplishments and perspectives for the following decade

Speaker

Elena Pierpaoli

09:50-10:30

Rubin Observatory's Legacy Survey of Space and Time (LSST): Opportunities and Challenges from the Brazilian Participation Group Perspective

Speaker

Rogério Rosenfeld

10:30

11:00

Plenary Talk

Session |**Location:** Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

11:00-11:40

Cosmology with future galaxy surveys: an overview of the Euclid mission

Speaker

Chiara Moretti

11:40-12:20

Axion cosmology: production and experimental constraints

Speaker

Francesc Ferrer Escursell

12:20

Monday 22 August

09:10

Plenary Talk

Session |

Location: Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

09:10–09:50

Gravitational-wave observations and cosmology with gravitational waves

Speaker

Archisman Ghosh

09:50–10:30

The HIBEAM/NNBAR Experiment at the ESS

Speaker

Bernhard Meirose

10:30

11:00

Plenary Talk

Session |

Location: Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

11:00–11:40

Cosmology results from the Dark Energy Survey

Speaker

Jessie Muir

11:40–12:20

Galaxy clusters and cosmology

Speaker

Stefano Borgani

12:20

Tuesday 23 August

09:10

Plenary Talk

Session |**Location:** Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

09:10–09:50

Status and latest results of the KM3NeT neutrino telescope

Speaker

Paul De Jong

09:50–10:30

Neutrinos and Astroparticle Physics: Experimental Overview

Speaker

Kate Scholberg

10:30

Wednesday 24 August

09:10

Plenary Talk

Session |

Location: Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

09:10–09:50

Searching for Dark Matter: the direct detection of WIMPs

Speaker

Isabel Lopes

09:50–10:30

Primordial non-Gaussianity beyond the bispectrum

Speaker

Gonzalo Palma

10:30

11:00

Plenary Talk

Session |

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11:00–11:40

Dark matter theory and phenomenology

Speaker

Ki Young Choi

11:40–12:20

Searching for primordial black holes at current and future gravitational wave detectors

Speaker

Gabriele Franciolini

12:20

19:00

Plenary Talk: Public talk

Session |

Location: Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070 |

Convener: Prof. Julio C. Fabris

19:00–19:50

O universo em expansão: 100 anos do artigo de Friedmann

Speaker

Júlio Fabris

20:15

Thursday 25 August

09:10

Plenary Talk

Session |

Location: Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

09:10–09:50

The cosmological basis with Euclid survey

Speaker

Domenico Sapone

09:50–10:30

“Prince Andrew can’t sweat” solves σ_8 tension

Speaker

Elena Sellentin

10:30

11:00

Plenary Talk

Session |

Location: Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070

11:00–11:40

Indiscriminate $R \sim 50$ spectroscopy in the entire footprint: the spectro-photometric approach of J-PAS

Speaker

Carlos Hernandez-Monteagudo

11:40–12:20

Towards precision simulations for Cluster Cosmology

Speaker

Tiago Castro

12:20

16:05

Plenary Talk: Concluding remarks: the COSMO conferences

Session |

Location: Rio de Janeiro, Vice-Governador Rúbens Berardo street, 100 - Gávea Rio de Janeiro - 22451-070 |

Convener: Leszek Roszkowski

16:05–16:35

Concluding remarks: the COSMO conferences

Speaker

Leszek Roszkowski

16:35