Giambiagi Winter School on Cosmology (17-28 July 2023)
Poster Presenters

DARK MATTER

ARMALEO Manuel Juan — Probing spin-2 ULDM with pulsars and gravitational waves detectors

CASTIBLANCO ORTIGOZA Elian Brayan — Thermal leptogenesis in the type-I Dirac seesaw extension to the DFSZ axion model for dark matter

CRESPI Valentina — Study of dark matter dinamical friction on compact-objects binaries

FERREIRA CHASE Esteban Tomás — Testing ultralight vector dark matter using cosmological data

GÓMEZ CRUZ Nicolás — Leptophilic U(1) extension to the standard model of particle physics with astrophysics phenomenology

LONGAS BEDOYA Robinson — Singlet fermion dark matter and Dirac neutrinos from Peccei-Quinn symmetry

MARTÍNEZ LOBO Nicolás Jhan — Particle-like solutions in the generalized SU(2) Proca theory

MEDINA ZARATE Luis Jorge — Constraining the Dark Sector Interaction of the Universe Using Cosmological Observations

MESTRE Federico Martín — Modelling the formation of the GD-1 stellar stream inside a host with a fermionic dark matter core-halo distribution

ZERBO Candela María — Exploring Feedback Processes in EAGLE Galaxies: The Role of Effective Yields

DARK ENERGY AND MODIFIED GRAVITY

ALVA MORALES Manuel — Cosmological dynamics of vector-like dark energy

GONZALEZ-ESPINOZA Manuel — Odd-parity perturbations in the most general scalar-vector-tensor theory

MIRANDA CARRION Karim Gabriel — Accelerated constraints on Dark Scattering

NOGUEIRA RIBEIRO Wesley Bruno   Cosmological constraints on the R^2-corrected Appleby-Battye model

LARGE SCALE STRUCTURE

ANIL KUMAR Neha   Reconstructing patchy helium reionization with the kSZ effect

BADARACCO Belen Marina   X-ray binary feedback over the interstellar and intergalactic media

BENEVIDES DE CARVALHO R MOTTA
Pablo Cesar   Photometric classification of quasars from DES and photo-z estimation with Machine Learing

BIZARRIA Benedito Bruno   Exploring the HI-optical cross-correlations with the BINGO telescope: a first investigation

CALISKAN Mesut   Probing dark matter halos through gravitational wave lensing using Laser Interferometer Space Antenna

CARVALHO Lautaro   Cosmic Rays at the Epoch of Reionizatio

CATALDI Anselmo Pedro   Redshift evolution of the dark matter haloes shapes

CRISNEJO Sebastián Gabriel   Perturbative and numerical approach to plasma strong lensing

DADIANI Ekaterine   Properties and Morphology of Dual AGN in the ASTRID Simulation at z=2

FERREIRA Paula   Angular Correlation Function from sample covariance with BOSS and eBOSS LRG

FRANCO Nascimento Camila   Isotropy in the Local Universe and the Local Cosmic Void

LIMA DE OLIVEIRA Caio   Building Cluster Weak Lensing Likelihoods with Kernel Density Estimation

PEÑA Alejandro Greco   The Effect of Non-Gaussian Primordial Perturbations on Large-Scale Structure

SIERRA Porta David   Results from Visual Inspection of Bright Galaxies in the DESI Survey Validation stage

TAPIA BENAVIDES Izamar Brenda   Halo-Galaxy connection and its impact on large-scale analysis.

TOMASSINI Cecilia   Chemical evolution of galaxy baryons as a function halo mass in cosmological simulations

EARLY UNIVERSE

ALVAREZ Diego Pedro	A larger value for H_0 by an evolving gravitational constant within unconventional supersymmetric models
CABELLO FUENTES Sebastian Juan	Consequences of non-Gaussianities in the Abundance of Primordial Black Holes
DEHGHANIZADEH Amirhossein	The Art of Avoiding Singularities
DEMÉTRIO Felipe Luiz	Non-adiabatic vacuum prescription for a Bianchi I background
ESPINAL VALLADARES Arnaldo Misael	Cosmic Inflation Process and the Primordial Perturbation Spectrum
FERREIRA Curado Matheus	Non-Perturbative Superfluid Free Energy and Phase Transition
LEON GARCIA Gabriel	Inflation without inflaton in unimodular gravity
LECHUGA SOLIS Laura Rosa Laura	Eternal inflation problem and quantum collapse theories
OCAMPO Miguel Martín	Primordial Power Spectrum from an objective collapse mechanism: The simplest case
PICCIRILLI Maria Pia	Unimodular gravity inflationary scenarios tested with data

STATISTICAL METHODS AND MACHINE LEARNING

CHANTADA Tomás Augusto	Cosmology-informed neural networks to solve the background dynamics of the Universe
COSTANZA María Belén	Wiener Filter for cosmic microwave background maps using neural networks and power spectrum estimation.
GOMEZ BACHAR Javier Luca	Cosmological solutions of alternative gravity theories with neural networks
LEIZEROVICH Matías	Applying tension metrics to the determination of cosmological parameters
TEIXEIRA Da Silva Moreira Gabriel	Photometric redshifts probability density estimation from Recurrent Neural Networks

H0 TENSION

CONCHA VALDEZ Andres Gustavo Andres	Constraining über gravity with recent observations and elucidating the H_0 problem
GARCIA-ARROYO Gabriela	Self interacting neutrinos

COSMIC RAYS AND GRAVITATIONAL WAVES

BARRIGA DELGADILLO Gabriel Francisco   Gravitational waves and the anomalous propagation of the polarization as observational evidence for torsion

CABA Rubi Thara   The multi-messenger astrophysics approach and the MAGIC telescopes

MORAES LUIZ LUCCHINI Felipe Moraes
Luiz André Felipe   Gravitational perturbations of black holes with spherical symmetry

COSMIC MICROWAVE BACKGROUND

KOZAMEH Augusto Nicolas   On the lack of Large-Angle TT Correlations in Planck Data

MUROKOSHI Tamaki   Map-based studies on how the CMB shadow degrades tensor-to-scalar ratio measurements and how to mitigate it

MIRÓN-GRANESE Nahuel   Relativistic viscous effects on the primordial gravitational waves and the B modes in CMB polarization