

CoCo 2o2o: Cosmology in Colombia

Wednesday 23 September 2020

CoCo (09:00 - 10:30)

time	[id] title	presenter
09:00	[60] Welcome	
09:10	[36] Causality in Curved Spacetimes	DE RHAM, Claudia
09:50	[15] Generalized SU(2) Proca theory reloaded and beyond	RODRIGUEZ GARCIA, Yeinzon
10:10	[49] The Teleparallel version of Horndeski gravity	BAHAMONDE, Sebastian

CoCo (10:50 - 12:10)

time	[id] title	presenter
10:50	[58] Thermodynamics of $f(R)$ Theories	PERALTA GONZÁLEZ, César Daniel
11:10	[50] Cosmic inflation in a tensor-vector-scalar theory of gravity	RODRÍGUEZ PEÑA, Cristhian
11:30	[13] Construction of degenerate higher order scalar-tensor theories	Mr GRANADOS HERNÁNDEZ, Nestor Alberto
11:50	[22] Generalized tracker Quintessence models for dark energy	ROY, Nandan

CoCo (14:00 - 15:40)

time	[id] title	presenter
14:00	[17] Topological mass generation and generalized 2-forms	BELTRAN, Juan Pablo
14:20	[26] Dark Energy from Coupled p -forms	GUARNIZO , Alejandro
14:40	[11] Dynamical analysis of cosmological models with non-Abelian gauge vector fields	VALENZUELA-TOLEDO, Cesar A.
15:00	[10] Anisotropic Einstein Yang-Mills Higgs Dark Energy	ORJUELA-QUINTANA, JOHN BAYRON
15:20	[33] No slow-roll inflation à la Generalized Chaplygin Gas in General Relativity	GALLEGO CADAVID, ALEXANDER

CoCo (16:00 - 17:40)

time	[id] title	presenter
16:00	[7] New cosmological constraints to find plausible dark energy candidates	Dr GARCÍA, Luz Ángela
16:20	[6] Constraining gravitational parity violation	Mrs CÁRDENAS AVENDAÑO, Alejandro
16:40	[59] Towards the one-loop galaxy bispectrum in the weak field approximation	CASTIBLANCO, Lina
17:00	[14] Coupled Multi-Proca Vector Dark Energy	Dr L. GABRIEL, Gómez
17:20	[29] Anisotropic solid dark energy	MOTOA MANZANO, Josué

Thursday 24 September 2020

CoCo (09:00 - 10:40)

time	[id] title	presenter
09:00	[35] Constraints on Reheating to SM Particles due to Large Effective Higgs Boson Mass	Dr VISINELLI, Luca
09:20	[62] The CMB as a detector of high-frequency gravitational waves	Dr GARCIA CELY, Camilo
09:40	[27] Effective Theory of Freeze-in Dark Matter	BARMAN, Basabendu
10:00	[1] UV Freeze-in in Starobinsky Inflation	BERNAL, Nicolás
10:20	[47] Ultraviolet completion and predictivity from minimal parameterizations of Beyond-Standard-Model physics	NIETO GUERRERO, Carlos Mauricio

CoCo (11:00 - 12:00)

time	[id] title	presenter
11:00	[28] Observable gravitational waves in minimal scotogenic model	DASGUPTA, Arnab
11:20	[31] Creating matter antimatter asymmetry with non-standard cosmology	Mr MAHANTA, Devabrat
11:40	[48] Lepto-Axiogenesis	FERNANDEZ, Nicolas

CoCo (14:00 - 15:40)

time	[id] title	presenter
14:00	[40] Observing Left-Right Symmetry in the Cosmic Microwave Background	NANDA, Dibyendu
14:20	[24] Cosmological evolution of Scalar Field Dark Matter with an Axion-like potential	Dr LINARES CEDEÑO, Francisco Xavier
14:40	[51] Erasure of Topological Defects	VALBUENA BERMUDEZ, Juan Sebastian
15:00	[9] Gravitational Production of Superheavy Dark Matter and Cosmological Signatures	LI, LINGFENG
15:20	[12] Dark Energy in Five Dimensional Spherically Symmetric Universe with Future Singularity	Mr SINGH, Pheiroijam Suranjoy

CoCo (16:00 - 17:03)

time	[id] title	presenter
16:00	[53] CMB Temperature Spectrum considering massive neutrinos in Λ CDM	Mr CALDERON CORDOVA, CRISTHIAN
16:07	[23] The cosmic web through the lens of graph entropy	GARCÍA-ALVARADO, María Valentina
16:14	[41] Superclusters from velocity divergence fields	PEÑARANDA RIVERA, jose david Dr FORERO ROMERO, Jaime Ernesto
16:21	[21] Relativistic stars in the generalized Proca theory	JAIMES ESPÍNDOLA, William

16:28	[55] Kantowski-Sachs Cosmological Model with Chaplygin Gas	RODRIGUES, Marcela
16:35	[56] Leptophilic Z' model: Hubble tension and CMB constraints	ARCILA MALDONADO, Juan Pablo
16:42	[37] Prueba Geométrica de Campos Trackers en Cosmología	MORENO, alexander Mr MORENO, alexander
16:49	[39] Acotando el valor de la constante cosmológica con vacíos en la distribución espacial de galaxias	CORDOBA CAYCEDO, Carlos Miguel
16:56	[20] Midiendo la complejidad de la red cósmica	TORRES GUARIN, Diego Dr FORERO ROMERO, Jaime

Friday 25 September 2020

CoCo (09:00 - 10:40)

time	[id] title	presenter
09:00	[63] Baryogenesis in the Standard Model EFT with dim 6 terms	LOSADA, Martha Alice
09:20	[45] Mark weighted correlation functions to constrain cosmological parameters	FORERO-ROMERO, Jaime
09:40	[32] From the β -skeleton to the Cosmic Web elements	Mr SUÁREZ-PÉREZ, John F.
10:00	[38] Galaxy density-independent selection of Cosmic Void clustering sample and improvement of BAO scale measurement	FORERO SANCHEZ, Daniel Felipe
10:20	[52] Measuring Galaxy Assembly Bias in IllustrisTNG	CAMARGO CAMARGO, Yeimy Dallana

CoCo (11:00 - 12:20)

time	[id] title	presenter
11:00	[54] Mediciones esperadas de la función de correlación de dos puntos en la primera fase de DESI	SIERRA PORTA, David
11:20	[57] Optimization of Mapper of the IGM Spin Temperature (MIST) Antenna Parameters	RESTREPO, Óscar
11:40	[4] A pseudo-spectral for the numerical treatment of inhomogeneous and anisotropic cosmological models	Dr ESCOBAR DIAZ, Leon
12:00	[43] EXTENDED BODY DYNAMICS IN GENERAL RELATIVITY	Mrs GONZÁLEZ CAMPO, Andrea

CoCo (14:00 - 15:30)

time	[id] title	presenter
14:00	[25] Cosmic dynamo equation under cosmological perturbations at first order	BRAVO CÁRDENAS, Juan Felipe
14:20	[46] Reconstruction of mass profiles in disc-like galaxies based on its properties of lensing and rotational curves	Ms LÓPEZ TRILLERAS, Itamar Alfonso
14:40	[42] The Matter Spectrum at Second Order	FERNANDO FONSECA MORENO, Diego
15:00	[3] Forecasts on the speed of gravitational waves at high z	Mr BONILLA RIVERA, Alexander
15:20	[61] Closure	

CoCo (15:50 - 17:50)

time	[id] title	presenter
15:50	[44] Interacciones Fundamentales	SURATÓMICA