

MOCa 2021: Materia Oscura en Colombia

Tuesday, 8 June 2021

MOCa (08:00 - 09:40)

time	[id] title	presenter
08:00	[25] Particle Astrophysics of the Galactic Center	HORIUCHI, Shunsaku
08:25	[29] On the Tau flavor of the cosmic neutrino flux	Prof. FARZAN, Yasaman
08:50	[42] Production and signatures of multi-flavour dark matter scenarios	IBARRA, Alejandro
09:15	[7] Distinguishing dark matter from millisecond pulsars with the Cherenkov Telescope Array	MACIAS-RAMIREZ, Oscar MACIAS, Oscar

MOCa (10:00 - 12:00)

time	[id] title	presenter
10:00	[16] Inelastic dark matter in light of the g-2 anomaly	GARCIA CELY, Camilo
10:20	[20] Constraints on dark matter interactions using white dwarfs	RAMIREZ, Maura
10:40	[5] Improved methods for the search of inverse Compton scattering and synchrotron radiation in dwarf galaxies. The case of annihilating or decaying Dark Matter	VOLLMANN, Martin
11:00	[19] Searching for atmospheric Dark Matter	MUÑOZ, Víctor
11:20	[38] Statistical approach to Clumpy dark matter detectability	MONTOYA VELÁSQUEZ, Valentina
11:40	[43] Cosmological hydrodynamics simulations of the same spiral galaxies: connecting the dark matter distribution of the halo with the subgrid baryonic physics	Dr NUNEZ-CASTINEYRA, Arturo

MOCa (14:00 - 16:20)

time	[id] title	presenter
14:00	[45] Neutrinos as a probe for new physics	ARISTIZABAL, Diego
14:20	[31] Indirect Searches for Secluded Dark Matter	SIQUEIRA, Clarissa
14:40	[17] Radiative neutrino mass models	CÁRCAMO HERNÁNDEZ, Antonio Enrique
15:00	[39] Similarities between visible and dark matter?	FONG, Chee Sheng
15:20	[22] TeV Dark Matter in radiative seesaw/scotogenic models	LINEROS, Roberto
15:40	[41] Fermion dark matter in scotogenic-like models	BONILLA DÍAZ, Cesar
16:00	[37] Two-component scalar dark matter in \mathbb{Z}_2 scenarios	ZAPATA, Oscar

Wednesday, 9 June 2021

MOCa (08:00 - 09:40)

time	[id] title	presenter
08:00	[46] Hunting for Dark Matter at LHC	SAOULIDOU, Niki
08:25	[47] Modeling the Distribution of Galaxies in the Universe with N-body Simulations of Dark Matter	BERLIND, Andreas
08:50	[30] Axion quality from flavour gauge symmetries	NARDI, Enrico
09:15	[28] Dark matter in a variant of the Scotogenic model	VICENTE, Avelino

MOCa (10:00 - 12:00)

time	[id] title	presenter
10:00	[1] Scalar Multiplet Dark Matter in a Fast Expanding Universe: resurrection of the *desert* region	BARMAN, Basabendu
10:20	[2] A dark clue to seesaw and leptogenesis in a pseudo-Dirac singlet doublet scenario with (non)standard cosmology	Dr KUMAR SAHA, Abhijit
10:40	[9] Neutrino Portal to FIMP Dark Matter with an Early Matter Era	COSME, Catarina
11:00	[12] Maximally misaligned axions	REIG, Mario
11:20	[18] A Renormalizable Model for Inflation and Dark Matter	Mr XU, Yong
11:40	[27] VBF DM searches within Simplified Models	RUIZ, Jose

MOCa (14:00 - 16:45)

time	[id] title	presenter
14:00	[21] Effects of a hidden photon-dark matter background in axion-photon interactions	ARIAS REYES, Paola
14:20	[6] Graviballs and Dark Matter	Dr GUIOT, Benjamin
14:40	[8] DM EFT with Spin One Mediators	FORTUNA, Fabiola
15:00	[24] Revisiting sneutrino dark matter in natural SUSY scenarios	Dr JONES-PEREZ, Joel
15:20	[11] Gravitational SIMPs	BERNAL, Nicolás
15:40	[23] Astrophysical solutions in the generalized SU(2) Proca theory	MARTÍNEZ LOBO, Jhan Nicolás
16:00	[35] Spin 3/2 dark matter in the radiative seesaw	SUAREZ-ROLDAN, David
16:20	[49] Singlet fermion dark matter and Dirac neutrinos from Peccei-Quinn symmetry	RODRÍGUEZ, Óscar

Thursday, 10 June 2021

MOCa (08:00 - 09:40)

time	[id] title	presenter
08:00	[15] Search for galactic dark matter and CEvNS in reactors with liquid argon	VAZQUEZ-JAUREGUI, Eric
08:25	[36] Freezing-in into a thermalized hidden sector.	FERNANDEZ, Nicolas
08:50	[13] Recent Results of Dark Sector Searches with the BaBar Experiment	ECHENARD, Bertrand
09:15	[4] Dark sector searches at Belle II	BERTEMES, Michel

MOCa (10:00 - 11:20)

time	[id] title	presenter
10:00	[14] Testing freeze-in with Z' bosons	DUTRA, Maíra
10:20	[3] Connecting neutrino physics with dark matter	PEINADO, Eduardo
10:40	[40] Sterile neutrinos and self-interactions	TANGARIFE, Walter
11:00	[26] Multicomponent dark matter and the dark photon portal	BETANCUR RODRÍGUEZ, Amalia