

NuCo 2021: Neutrinos en Colombia

Wednesday 28 July 2021

NuCo 2 (10:00 - 12:00)

time	[id] title	presenter
10:00	[12] Neutrino-induced Single Pion Production with Light Nuclei	Mr ROY VARIER, Digvijay
10:20	[52] Studying final state interaction with neutrino experiments	ARRIETA DIAZ, Enrique
10:40	[16] Sensitivity of the elastic neutrino-electron and coherent elastic neutrino-nucleus scattering experiments to the neutrino electric millicharge	PARADA VALENCIA, Alexander
11:00	[38] Effect of light sterile states on measurements at long-baseline experiments	PRAKASH, Suprabh
11:20	[19] Light sterile neutrinos and reactor experiments	TERNES, Christoph Andreas
11:40	[37] Solar Neutrinos, Sterile Neutrinos and Dark Matter Experiments	PASQUINI, Pedro

NuCo 2 (14:00 - 16:20)

time	[id] title	presenter
14:00	[31] Heavy Sterile Neutrino Decay at Short-Baseline Experiments	VITTI STENICO, Gabriela
14:20	[28] Charting New Directions in the BSM Landscape with Neutrino Experiments	SHOEMAKER, Ian
14:40	[47] Unveiling the Majorana nature of neutrinos via precision measurement of the CP violation	GAGO, Alberto
15:00	[6] Probing the two-neutrino exchange force using atomic parity violation	TANGARIFE, Walter
15:20	[44] LED	VANEGAS FORERO, David
15:40	[26] La dispersión (anti)neutrino-electrón como estudio de interacciones no estándares del neutrino	GONZÁLEZ, ninibed
16:00	[33] La dispersión elástica coherente neutrino-núcleo como prueba del modelo estándar	OLIVO MARCELO, neider

Thursday 29 July 2021

NuCo 2 (10:00 - 12:00)

time	[id] title	presenter
10:00	[1] Neutrino non-standard interactions: a possible solution to the NOvA and T2K tension	Dr CHATTERJEE, Sabya Sachi
10:20	[8] Some consequences of non-standard neutrino interactions	Prof. PLEITEZ, Vicente
10:40	[10] Constraints on generalized neutrino interactions	MIRANDA, Omar
11:00	[49] A prototype model for quasi-Dirac neutrinos	FONG, Chee Sheng
11:20	[22] CP violation in mixing and oscillations for leptogenesis with quasi-degenerate neutrinos	RACKER, Juan
11:40	[3] Neutrino oscillations in extended theories of gravity	Dr PETRUZZIELLO, Luciano LUCIANO, Giuseppe Gaetano

NuCo 2 (14:00 - 16:00)

time	[id] title	presenter
14:00	[29] Asymmetries from effective interactions of heavy Majorana neutrinos in future lepton colliders	DUARTE, Lucía
14:20	[13] Resolving a challenging supersymmetric low-scale seesaw scenario at the ILC	Dr JONES-PEREZ, Joel
14:40	[25] A search for pseudo-Dirac neutrinos in the Cosmos	PEREZ, Yuber
15:00	[34] Neutrinos in cosmology: Challenges and future perspectives	BONILLA RIVERA, Alexander
15:20	[39] Testing invisible neutrino decay scenarios by using Earth matter effects on Core-Collapse Supernova neutrinos.	QUIROGA, Alexander
15:40	[43] Sensitivities on NSI parameters from NOvA	ACERO, Mario A

Friday 30 July 2021

NuCo 2 (10:00 - 12:00)

time	[id] title	presenter
10:00	[7] Neutrino oscillations the on-shell way	BERTUZZO, Enrico
10:20	[14] Signatures of primordial black hole dark matter at DUNE and THEIA	DE ROMERI, Valentina
10:40	[45] Neutrino experiments as constraints on Effective Field Theory	TABRIZI, Zahra TABRIZI, Zahra
11:00	[42] The effective number of neutrinos: towards a precise calculation in the SM	Dr FERNÁNDEZ DE SALAS, Pablo
11:20	[35] Neutrino Lines from Dark Matter	GARCIA CELY, Camilo

NuCo 2 (14:00 - 16:00)

time	[id] title	presenter
14:00	[5] Constraining Sommerfeld-Enhancement via Inflationary Perturbations: Dark Matter and Neutrino Interactions	GHOSHAL, Anish
14:20	[23] Heavy decaying dark matter at future neutrino radio telescopes	HAJJAR MUÑOZ, Rasmi Enrique
14:40	[46] Complementarity between dark matter direct searches and CE ν NS experiments in U(1)' models	PEINADO, Eduardo PEINADO, Eduardo
15:00	[4] Radiative neutrino mass models	Dr CÁRCAMO HERNÁNDEZ, Antonio Enrique
15:20	[55] Anomaly-free Abelian gauge symmetries with Dirac seesaws	RESTREPO, Diego
15:40	[54] Phenomenology of the Zee model for Dirac neutrinos and general neutrino interactions	ZAPATA, Oscar