

5th ComHEP: Colombian Meeting on High Energy Physics

Tuesday 1 December 2020

Neutrinos: Experiments (14:00 - 17:35)

-Conveners: David Vanegas Forero; Mario A Acero

time	[id] title	presenter
14:00	[78] Neutrinoless double beta decay searches	CARDANI, Laura
14:30	Questions	
14:40	[79] Neutrino oscillations	CATANO-MUR, Erika
15:10	Questions	
15:20	Break	
15:35	[50] Front-end readout electronics for the PDS-SP of the DUNE Experiment	MORENO LOPEZ, Deywis
15:55	[52] Description and constraints of the back-end trigger of the Photon Detection System in DUNE	AM, Manuel
16:15	[66] Machine Learning Applications to Reactor Antineutrino Detection with PROSPECT	VENEGAS VARGAS, Diego
16:35	[86] The KM3NeT Neutrino Observatory: opportunities for Latin American collaborators	Prof. YEPES RAMIREZ, HAROLD
16:55	[26] Probing the properties of relic neutrinos using the cosmic microwave background, the Hubble Space Telescope and galaxy clusters	BONILLA RIVERA, Alexander
17:15	[96] Discussion	

Thursday 3 December 2020

Neutrinos: Theory (08:00 - 12:00)

-Conveners: Oscar Alberto ZAPATA NOREÑA; David Vanegas Forero

time	[id] title	presenter
08:00	[87] The diffuse supernova neutrino background, a new window to the Universe	PEREZ, Yuber
08:30	Questions	
08:40	[88] BSM physics program at DUNE	Prof. SOUSA, Alexandre
09:10	Questions	
09:20	[51] Heavy Sterile Neutrino Decay at Short-Baseline Experiments	VITTI STENICO, Gabriela
09:40	[68] Neutrino oscillation probabilities due to possible non-standard interactions	ACERO, Mario A
10:00	Break	
10:15	[55] Five texture zeros for Dirac neutrino mass matrices	BEANVIDES, Richard
10:35	[16] On the very nature of neutrinos: the inverse beta-decay as a test bench	LUCIANO, Giuseppe Gaetano
10:55	[5] Prediction for Neutrino Masses, CP Violation, Leptogenesis and Neutrinoless Double Beta Decay from \mathcal{T}_{13} Flavor Symmetry	RAHAT, Moinul Hossain
11:15	[43] Theory of Fast Flavor Conversion for Supernova neutrinos	BHATTACHARYYA, Soumya
11:35	[98] Discussion	