



# International Conference on Neutrinos and Dark Matter (NDM-2020)

## Saturday, 11 January 2020

### Theory/Experimental Session - Hilton Hotel (09:00 - 11:00)

-Conveners: Shaaban Khalil

time	[id] title	presenter
09:00	[18] New Insights on Lepton Number and Dark Matter	MA, Ernest
09:30	[19] Connecting Neutrino physics to dark matter: some insights	SIL, Arunansu
10:00	[20] A theory for scotogenic dark matter stabilised by residual gauge symmetry	LEITE, Julio
10:15	[22] Minimalistic scotogenic scalar dark matter	DE ROMERI, Valentina
10:30	[21] B-L breaking patterns, Dirac neutrinos and Dark Matterneutrinos and Dark Matter	CENTELLES, Salvador
10:45	[95] Two component FIMP DM in a $U(1)_{B-L}$ extension of the SM	ABDALLAH, Waleed

### Theory/Experimental Session - Hilton Hotel (15:00 - 16:30)

-Conveners: Arunansu Sil

time	[id] title	presenter
15:00	[23] Flavor physics and Jarlskog determinant	KIM, Jihn
15:30	[24] Supersymmetric flavour symmetries and the LH	VIVES, Oscar
15:55	[25] Spontaneous Freeze-Out of Dark Matter From an Early Thermal Phase Transition	PARTOUCHE, Hervé
16:15	[26] LHC and Dark Matter Implications of Yukawa Unified SUSY SU(5) Model with Mirage Mediation	UN, Cem Salih

# Sunday, 12 January 2020

## Theory/Experimental Session - Hilton Hotel (11:30 - 13:30)

-Conveners: Cem Un

time	[id] title	presenter
11:30	[39] Primordial Intermediate Mass Black Holes as Dark Matter	FRAMPTON , Paul
12:00	[40] Dark (matter) imprints on Stellar Dynamics	EL-ZANT, Amr
12:25	[44] Black Holes in Modified Gravity	NASHED, Gamal
12:45	[41] Phenomenology of Axion-Like Particles Coupling with Photons in the Jets of Active Galactic Nuclei	ALI , Ahmed Ayad
13:00	[42] Small-scale Features of Thermal Inflation Cosmology	ZOE , Heeseung
13:15	[43] Entropy production by GeV scale right-handed neutrinos and primordial gravitational wave	OKUI , Hisashi

## Theory/Experimental Session - Hilton Hotel (15:00 - 16:00)

-Conveners: Ahmad Moursy

time	[id] title	presenter
15:00	[50] Electroweak corrections to dark matter-nucleon scattering in scalar and vector DM models	SANTOS, Rui
15:30	[51] Exploring neutrino physics through sneutrinos	WALTARI, Harri
15:45	[52] Distinguished LHC signatures of Electroweak scale RH neutrinos in the Lifetime Frontier	CHAKDAR, Shreyashi

# Monday, 13 January 2020

## Theory/Experimental Session - Hilton Hotel (09:00 - 11:00)

-Conveners: Amr El-Zant

time	[id] title	presenter
09:00	[53] Challenges in string and supersymmetric cosmology	ANTONIADIS, Ignatios
09:30	[54] SM-GR Reconciliation and Dark Matter	DEMIR, Durmus
09:55	[88] One SMASH to Rule Them All	RINGWALD, Andreas
10:20	[56] Electroweak Monopole: Topological Avatar of New Physics	CHO, Yongmin
10:35	[55] Magnetic Monopole Dark Matter	VERHAAREN, Christopher CHOWDHURY, Talal
10:50	[100] Non-commutativity parameters in the minimal non-commutative Standard Model	GHEGAL, Linda

## Theory/Experimental Session - Hilton Hotel (15:00 - 16:30)

-Conveners: Rui Santos

time	[id] title	presenter
15:00	[93] The many faces of nonstandard neutrino interactions	MARFATIA, Danny
15:30	[63] Low scale seesaw models for low scale $U(1)_{L\mu-L\tau}$ symmetry	SATO, Joe
16:00	[64] Non-Standard Interactions of Neutrinos and where to find them	TAKEUCHI, Tatsu

## Theory/Experimental Session - Hilton Hotel (17:00 - 18:10)

-Conveners: Durmus Demir

time	[id] title	presenter
17:00	[69] Status of three-neutrino mass and mixing parameters	CAPOZZI, Francesco
17:20	[70] An $S_4$ model inspired from self-complementary neutrino mixing	ZHANG, Xinyi
17:35	[73] Predictions for the neutrino parameters in the minimal model extended by general lepton flavor-dependent $U(1)$ gauge symmetries	ASAI, Kento
17:50	[96] Flavour anomalies and the dark matter	NANDI, Soumitra

# Tuesday, 14 January 2020

## Theory/Experimental Session - Hilton Hotel (09:00 - 11:05)

-Conveners: Paul Frampton

time	[id] title	presenter
09:00	[74] Gamma-ray from Dark Matter Annihilation in Three-loop Radiative Neutrino Mass Generation Models	CHOWDHURY, Talal Ahmed
09:20	[75] Some new ideas in Leptogenesis and Dark Matter studies	SAMANTA, Rome
09:40	[76] Discrimination of Dark Matter Mass and Velocity Distribution by Directional Detection	NAGAO, Keiko
10:00	[77] The Radiation Valley in Exotic Diboson Resonances and Connections to a Dark Sector	CAPDEVILLA, Rodolfo
10:20	[99] Exploring Neutrino-Dark Matter interaction via Astrophysical Neutrinos at IceCube	PANDEY, Sujata
10:40	[102] Search for new resonances	ADIGUZEL, Aytul