The 13th International Workshop on the Dark Side of the Universe

Monday, 10 July 2017

Talk Session - L104 (09:30 - 10:35)

-Conveners: Carlos Munoz

time [id] title	presenter
09:30 [73] Welcome and practical information	KADOTA, Kenji
09:35 [0] Status of COSINE dark matter search experiment	LEE, Hyun Su
10:05 [1] Linking direct detection and relic abundance in WIMP effective models	SCOPEL, Stefano

Talk Session: Talk Session - L104 (11:00 - 12:30)

-Conveners: Hyun Su Lee

time [id] title	presenter
11:00 [3] Dark Matter searches at LHC	DE ROECK, Albert
11:30 [2] Dark Sector Physics with Belle II	MACQUEEN, Caitlin
12:00 [4] First results of XENON1T Dark Matter detector	TUNNELL, Christopher
12:15 [5] The LUX-ZEPLIN dark matter search	MANALAYSAY, Aaron

Talk Session: Talk Session - L104 (14:00 - 15:45)

-Conveners: Seong Chan Park

time [id] title	presenter
14:00 [6] Particle physics models for interacting DM-DR	KO, Pyungwon
14:30 [7] Rare event searches with the LUX detector	TVRZNIKOVA, Lucie
14:45 [8] Unitarisation of EFT Amplitudes for Dark Matter Searches at the LHC	SCHMIDT, Michael
15:00 [9] A Systematic Effective Operator Analysis of Semi-Annihilating Dark Matter	SPRAY, Andrew
15:15 [10] Portal Connecting Dark Photons and Axions	KANETA, Kunio
15:30 [11] Heavier and darker: spin-2 dark matter	URBAN, Federico

Talk Session: Talk Session - L104 (16:15 - 18:00)

-Conveners: Hyun Min Lee

time [id] title	present	er
16:15 [12] Tiny flavor symmetry breaking neutron	rino masses and dark matter TAKA)	(AMA, Fumihiro
16:45 [13] Hunting the dark Higgs	DUER	R, Michael
17:00 [14] Recent direct detection and LHC da dark-matter models	ta illuminating simple Higgs-portal TAND	EAN, Jusak
17:15 [15] Asymmetric Dark Matter in Fluffy St	andard Model OKUM	URA, Kenichi

17:30	[16] Probing the first order electroweak phase transition in scalar extension models at future gravitational wave interferometers and future collider experiments	MATSUI, Toshinori
17:45	[17] Computational-Science-based Research on Dark Matter	CHO, Kihyeon

Tuesday, 11 July 2017

Talk Session: Talk Session - L104 (09:00 - 10:30)

-Conveners: Sunghoon Jung

time	[id] title	presenter
	[18] Dark Matter secret liaisons - Phenomenology of a dark U(1) sector with bound states	CIRELLI, Marco
09:30	[72] Stable Sexaquark as Dark Matter	FARRAR, Glennys
10:00	[20] New candidates for relic anti-neutrino capture experiments	LEE, Jeong-Yeon
10:15	[21] The SIMP species from dark symmetries	LEE, Hyun Min

Talk Session: Talk Session - L104 (11:00 - 12:30)

-Conveners: Fumihiro Takayama

time [id] title	presenter
11:00 [19] Light Dark Matter	KADOTA, Kenji
11:30 [23] Nonstandard interactions at long-baseline neutrino experiments	MARFATIA, Danny
12:00 [24] Electroweak Kaluza-Klein Dark Matter	PARK, Seong Chan
12:15 [25] Probing extra dimension with dark energy	OH, Phillial

Talk Session: Talk Session - L104 (14:00 - 15:45)

-Conveners: Chang Sub Shin

time [id] title	presenter
14:00 [26] Stochastic gravitational waves at aLIGO from a single	et extension of the SM BALAZS, Csaba
14:30 [27] Neutrino lines from dark matter	GARCIA CELY, Camilo Alfredo
14:45 [28] Impact of the b to s II anomalies on dark matter physi	CS OMURA, Yuji
15:00 [29] Neutrinophilic 2HDM and Dark Matter	BAEK, Seungwon
15:15 [30] Model of radiative neutrino mass and dark matter with SU(2)_2\$ gauge symmetry	n \$SU(2)_1 \times NOMURA, Takaaki
15:30 [31] Hidden sector behind the CKM matrix	OKAWA, Shohei

Talk Session: Talk Session - L104 (16:15 - 18:00)

-Conveners: Natsumi Nagata

time	[id] title	presenter
16:15	[32] Late Kinetic Decoupling and Self-Interacting Dark Matter	KERSTEN, Joern
16:45	[34] Study of dark matter physics in non-universal gaugino mass scenario	KAWAMURA, Junichiro
	[35] Implications for the Vacuum Magnetic Birefrigence Experiment from the Parity Violating Interactions between Fermionic Dark Matter and Extra U(1) Mediator	YAMASHITA, Kimiko
17:15	[37] Light Wino dark matter at the LHC	MUNIR, Shoaib

17:30 [33] Effects of QCD bound states on dark matter relic abundance

LIEW, Seng Pei

Wednesday, 12 July 2017

Talk Session: Talk Session - L104 (09:00 - 10:30)

-Conveners: Joern Kersten

time	[id] title	presenter
09:00	[38] Status of Astrophysical Searches for Dark Matter	PROFUMO, Stefano
09:30	[39] Status of LIGO and Virgo, Latest Observational Results, and Outlook	CANNON, Kipp
10:00	[40] 21cm line signal from minihalos as a probe of primordial fluctuations	SEKIGUCHI, Toyokazu
10:15	[41] Sudden kinetic decoupling of dark matter	KAMADA, Ayuki

Talk Session: Talk Session - L104 (11:00 - 12:30)

-Conveners: Ki-Young Choi

time	[id] title	presenter
11:00	[42] Lambda or not Lambda?	SHAFIELOO, Arman
11:30	[43] Insights on "freeze-in" process	MAMBRINI, Yann
	[44] High-resolution SZ imaging of clusters of galaxies with the NIKA2 camera at the IRAM 30-m telescope	MAYET, Frédéric
12:15	[45] Cosmological information from higher order clustering	SABIU, Cristiano

Thursday, 13 July 2017

Talk Session: Talk Session - L104 (09:00 - 10:30)

-Conveners: Keith Olive

time [id] title	presenter
09:00 [46] The Universe after G-inflation	YOKOYAMA, Jun'ichi
09:30 [47] Axion dark matter searches	SEMERTZIDIS, Yannis Kyriakos
10:00 [48] Inflationary solutions in Extra dimensions	IM, Sang Hui
10:15 [49] Poly-instanton axion inflation	UEMURA, Shohei

Talk Session: Talk Session - L104 (11:00 - 12:30)

-Conveners: Stefano Scopel

time [id] title	presenter
11:00 [50] A new halo-independent approach and the DAMA unmodulated signal	GONDOLO, Paolo
11:30 [51] Light Axinos: Decay, Freeze-in Production & Lyman-alpha Constraints	BAE, Kyu Jung
12:00 [52] Supersymmetric Super-GUTS	EVANS, Jason
12:15 [53] Two-pixel-hit searches for wino and higgsino	NAGATA, Natsumi

Talk Session: Talk Session - L104 (14:00 - 15:45)

-Conveners: Jason Evans

time [id] title	presenter
14:00 [54] Cosmic-ray antiprotons and dark matter	ZHOU, Yu-Feng
14:30 [56] LD2DM and the AMS-02 positron excess	RENTALA, Vikram
14:45 [57] Heavy Quark Flavored Scalar Dark Matter with Fermion Mediator	WU, Peiwen
15:00 [58] Flavor origin of dark matter and neutrino mixing	SIL, Arunansu
15:15 [59] Constraining Axion-photon Coupling From the Light	SUN, Sichun
15:30 [64] Gravitational waves from phase transitions: analytic approach	JINNO, Ryusuke

Talk Session: Talk Session - L104 (16:15 - 18:00)

-Conveners: Arman Shafieloo

time [id] title	presenter
16:15 [60] New Aspects on the Apparent Dark Matter from Emergent Gravity	ZHANG, Yun-Long
16:30 [61] Constraining the early Universe with the large-scale structures	L'HUILLIER, Benjamin
16:45 [62] Dark inflation	ARTYMOWSKI, Michał
17:00 [63] Supergravity Inflation in the Light of LHC constraints on SUSY spectra	MOHANTY, Subhendra
17:15 [36] Constraint to dark energy along the PADE parameterization	MALEKJANI, Mohammad

Friday, 14 July 2017

Talk Session: Talk Session - L104 (09:00 - 10:00)

-Conveners: Yu-Feng Zhou

time [id] title	presenter
09:00 [66] General Continuum Clockwork	SHIN, Chang Sub
09:30 [67] Examining the origin of dark matter mass at colliders	ZHANG, Mengchao
09:45 [68] Two-loop Anomalous Dimensions for Four-Fermi Operators in Supersymmetric Theories	KUWAHARA, Takumi

Talk Session: Talk Session - L104 (10:30 - 11:45)

-Conveners: Pyungwon Ko

time [id] title	presenter
10:30 [69] EeV Supersymmetric Dark Matter	OLIVE, Keith
11:00 [70] DSU 2018	MAYET, Frédéric
11:15 [71] On a reinterpretation of the Higgs field in supersymmetry and a proposal for new quarks	MUNOZ, Carlos