

KEK Theory Meeting on Particle Physics Phenomenology (KEK-PH2018 winter) and 3rd KIAS-NCTS-KEK workshop on Particle Physics Phenomenology

Tuesday, 4 December 2018

Plenary Session (09:30 - 10:30)

-Conveners: Mihoko Nojiri

time	[id] title	presenter
09:30	[1] Cosmological Signatures of the SM Vacuum Instability	ESPINOSA, Jose Ramon
10:00	[2] Birefringent DE/DM and CMB B-modes	NG, Kin-Wang

Plenary Session (11:00 - 12:00)

-Conveners: Mihoko Nojiri

time	[id] title	presenter
11:00	[3] Higgs boson pair production at HL-LHC and HL-100 Collider	CHEUNG, Kingman
11:30	[4] Primordial non-Gaussianities as a particle collider	NOUMI, Toshifumi

Plenary Session: Plenary Session (13:30 - 15:00)

-Conveners: Kazunori Kohri

time	[id] title	presenter
13:30	[5] Infrared frontier of fundamental physics	POSPELOV, Maxim
14:00	[6] The impact of EDGES 21-cm data on WIMP dark matter interactions	TSAI, Yue-Lin
14:30	[7] LHC Searches for Kaluza-Klein Graviton Decaying into SM/DM Particles	YAMASHITA, Kimiko

Wednesday, 5 December 2018

Plenary Session (09:00 - 10:30)

-Conveners: Motoi Endo

time	[id] title	presenter
09:00	[8] Old and recent puzzles in Flavour Physics	ISIDORI, Gino
09:30	[9] Sterile Neutrinos - Whence, Where, and Whither?	KOPP, Joachim
10:00	[10] Direct Detection Prospects for the Cosmic Neutrino Background	SPINRATH, Martin

Plenary Session (11:00 - 12:00)

-Conveners: Pyungwon Ko

time	[id] title	presenter
11:00	[11] Limit on the Axion Decay Constant from the Cooling Neutron Star in Cassiopeia A	NAGATA, Natsumi
11:30	[12] Realistic axion model with "Gauged" PQ mechanism	SUZUKI, Motoo

Plenary Session (13:30 - 15:00)

-Conveners: Csaba Csaki

time	[id] title	presenter
13:30	[13] Recent results from the LHC	PROKOFIEV, Kirill
14:30	[14] Resolving phenomenological problems with SIMP models with dark vector resonances	KO, Pyungwon

Thursday, 6 December 2018

Plenary Session (09:00 - 10:30)

-Conveners: Jose Ramon Espinosa

time	[id] title	presenter
09:00	[15] The Inelastic Frontier at DM and Neutrino detectors	FOX, Patrick
09:30	[16] Cosmic neutrino searches as decaying dark matter detectors	MCKEEN, David
10:00	[17] Non-canonical forth generation leptons	CHEN, Chuan-Ren

Plenary Session: Plenary Session (11:00 - 12:00)

-Conveners: Maxim Pospelov

time	[id] title	presenter
11:00	[18] Machine Learning in Particle Physics	SCHWARTZ, Matthew
11:30	[19] Inelastic Boosted Dark Matter Searches at Neutrino Detectors	KIM, Doojin

Plenary Session: Plenary Session (13:30 - 15:00)

-Conveners: Joachim Kopp

time	[id] title	presenter
13:30	[28] WISP searches by Tokyo tabletop experiments group	NAMBA, Toshio
14:00	[29] Hot Topics at Belle and Belle II	ONUKE, Yoshiyuki
14:30	[30] Physics Beyond Colliders - Exploring BSM Physics	JAECKEL, Joerg

Friday, 7 December 2018

Plenary Session (09:00 - 10:30)

-Conveners: Patrick Fox

time	[id] title	presenter
09:00	[20] New directions for composite Higgs models	CSAKI, Csaba
09:30	[21] Disorder in Model Building: from the Hierarchy Problem to Colliders	D'AGNOLO, Raffaele
10:00	[22] Group Theoretic Approach to Theory of Fermion Production	SON, Minho

Plenary Session (11:00 - 12:00)

-Conveners: Gino Isidori

time	[id] title	presenter
11:00	[23] Heterotic M-theory from the clockwork perspective	IM, Sang Hui
11:30	[24] Determination of α_s from static QCD potential with renormalon subtraction	TAKAURA, Hiromasa

Plenary Session (13:30 - 15:00)

-Conveners: Ryuichiro Kitano

time	[id] title	presenter
13:30	[25] A Dark Horse in Search for Non-Resonant Double Higgs	KIM, Jeong Han
14:00	[26] Charged scalars at the LHC	LI, Gang
14:30	[27] Probing Dark Matter at LIGO and Mid-band	JUNG, Sunghoon