



# The 3rd International Joint Workshop on the Standard Model and Beyond and the 11th KIAS Workshop on Particle Physics and Cosmology

## Monday, November 13, 2023

### Morning Session (9:00 AM - 12:00 PM)

-Conveners: Suro Kim; Pyungwon Ko

time	[id] title	presenter
9:00 AM	[60] New physics in $B \rightarrow K^{(*)} \nu \bar{\nu}$	VALENCIA, German
9:30 AM	[48] Lepton-flavour-violating constraints from triality	LIMA LICHTENSTEIN, Gabriela
10:00 AM	[37] An EFT approach to lepton and baryon number violation	HERRERO GARCIA, Juan
10:30 AM	Break	
11:00 AM	[30] Zooming in on exotic multi-quark hadrons in QCD	FRANCIS, Anthony
11:30 AM	[50] Renormalization group effects in QCD axion phenomenology	OKAWA, Shohei

# Tuesday, November 14, 2023

## Morning Session (9:00 AM - 12:00 PM)

-Conveners: Yu-Hui Zheng; Thomas Flacke

time	[id] title	presenter
9:00 AM	[M6] New Physics Search at Long-lived Particle Search Experiments	ASAI, Kento
9:30 AM	[M7] Observability of the Higgs boson decay to a photon and a dark photon	BEAUCHESNE, Hugues
10:00 AM	[M] One-loop expressions for $h \rightarrow ll\gamma$ in Higgs extensions of the Standard Model	PHAN, Khiem Hong
10:30 AM	Break	
11:00 AM	[M] New scalar fields in the 3-3-1 model with axion-like particle	VU, Hoa Binh
11:30 AM	[M] Recent Progress in Minimal G2HDM Phenomenology	YUAN, Tzu Chiang

# Wednesday, November 15, 2023

## Morning Session (9:00 AM - 12:10 PM)

-Conveners: Jongkuk Kim; Tomasz Dutka

time	[id] title	presenter
9:00 AM	[M6] Forbidden Conformal Dark Matter at a GeV	LEE, Seung J.
9:30 AM	[M8] Detecting Non-Gravitational interaction of Dark Matter in Cosmology: A Case Study of Mirror Dark Matter.	TSAI, Yue-Lin Sming
10:00 AM	[M9] Detecting afterglow signatures from light dark matter boosted by supernova neutrinos	LIN, Yen-Hsun
10:30 AM	Break	
11:00 AM	[M1] Light mass window of lepton portal dark matter	OMURA, Yuji
11:30 AM	[M0] Emergent particles of de Sitter universe: thermal interpretation of the stochastic formalism and beyond	Dr KIM, TaeHun
11:50 AM	[M0] Characterizing the hypercharge anapole dark matter particle	JEONG, Jaehoon

# Thursday, November 16, 2023

## Morning Session (9:00 AM - 12:00 PM)

-Conveners: TaeHun Kim; Xing-Yu Yang

time	[id] title	presenter
9:00 AM	[M3] Gravitational waves from Gauss-Bonnet-corrected inflation	KIM, Jinsu
9:30 AM	[M6] One-loop effect in Higgs inflation	HE, Minxi
10:00 AM	[S9] Gravitational Waves from Feebly Interacting Particles in a First Order Phase Transition	JINNO, Ryusuke
10:30 AM	[A8] Next Year's Workshop Announcement	SENGUPTA, Dipan
10:35 AM	Break	
11:00 AM	[S4] Interactions between several types of cosmic strings	FUJIKURA, Kohei
11:30 AM	[A1] Using Gravitational Waves to constraint the Reheating Temperature	VELASCO-SEVILLA, Liliana

# Friday, November 17, 2023

## Morning Session (9:00 AM - 12:00 PM)

-Conveners: Tomasz Dutka; Suro Kim

time	[id] title	presenter
9:00 AM	[M0] (Zoom) Implication of High Quality QCD axion in Dual Description	CHOI, Gongjun
9:30 AM	[M9] (Zoom) Dark Solar Wind	CHANG, Jae Hyeok
10:00 AM	[M1] (Zoom) Fermion Mass Hierarchy in a Multi-Higgs Model	KERSTEN, Joern
10:30 AM	Break	
11:00 AM	[M5] (Zoom) Some Recent Developments on BSM Probes with Gravitational Waves	GUO, Huaikue
11:30 AM	[M7] (Zoom) Probing Parity Violation in the Stochastic Gravitational Wave Background with Astrometry	LIANG, Qiuyue