

APCTP-IBS-KISTI-KU
2018 LHC Physics Workshop @ Korea
 7-9, August, 2018
 Konkuk University, Seoul, Korea

Timeline	Programs	Speakers and Titles
Day 1		
7 August (Tue)		
0830-0950	registration and breakfast snack	
0950-1100	Session 1	Chaired by Bum-Hoon Lee
0950-1000		Hyun Kyu Lee, Hanyang University (이현규, 한양대) Opening Address
1000-1030		Kiwoon Choi, CTPU (최기운, CTPU) Gamma-Ray Spectral Modulations Induced by Photon-ALP-Dark Photon Oscillations
1030-1100		Jihn E. Kim, SNU and Kyunghee University (김진의, SNU 및 경희대) Unification and 'Invisible' Axion
1100-1130	break for coffee	
1130-1230	Session 2	Chaired by Hyun Kyu Lee
1130-1200		Nakwoo Kim, Kyunghee University (김낙우, 경희대) Facts and Beliefs in String Theory
1200-1230		Bum-Hoon Lee, Sogang University (이범훈, 서강대) On the Dilaton-Gauss-Bonnet Gravity Theory
1230-1400	break for lunch	
1400-1530	Session 3	Chaired by Nakwoo Kim
1400-1430		Wontae Kim, Sogang University (김원태, 서강대) Thermodynamic Temperature of AdS(2) Black Holes
1430-1500		Hyun Kyu Lee, Hanyang University (이현규, 한양대) Cosmic Hadron Collision
1500-1530		Jaeweon Lee, Jungwon University (이재원, 중원대) Gauge Force from Quantum Entanglement
1530-1600	break for coffee	

1600-1800	Session 4	Chaired by Jaewon Lee
1600-1630	Toru Sugitate, Hiroshima University (杉立 徹, 広島大学)	The Idea of Forward Physics at ALICE-LHC
1630-1700	Sangeun Lee, KNU (이상은, 경북대)	Higgs Boson to a W Boson Pair Report
1700-1730	Thomas Flacke, CTPU	Searches for Vector-like Quarks and Composite Resonances at LHC
1730-1800	Hyunchul Kim, JNU (김현철, 전남대)	Recent Results of Heavy Flavor Measurements in Heavy Ion Collisions with the CMS Detector
1800-2000	dinner	Banquet at La Goutte (Buffet) Welcome speech

Day 2 8 August (Wed)

0830-0930	breakfast snack	
0930-1100	Session 5	Chaired by Jeonghyeon Song
0930-1000	Sang Un Ahn, KISTI (안상언, KISTI)	Data Center for LHC Experiments
1000-1030	Eunjung Shin, STEPI (신은정, STEPI)	Dialogue between Scientists and Policy-makers on Open (Research) Data
1030-1100	Soonkeon Nam, Kyunghee University (남순건, 경희대)	Deep Learning and Particle Physics
1100-1130	break for coffee	
1130-1230	Session 6	Chaired by Eunjung Shin
1130-1200	In-Kyu Park, UOS (박인규, 서울시립대)	Color Coherence & Multijet Correlation at LHC
1200-1230	Hwidong Yoo, SNU (유휘동, 서울대)	Searches for New Phenomena with the Boosted Signature
1230-1400	break for lunch	
1400-1530	Session 7	Chaired by Hwidong Yoo
1400-1430	Ligong Bian, CAU and Chongqing University	B-meson Anomalies and Higgs Physics in Flavored U(1)' Model
1430-1500	Seung-il Nam, PKNU (남승일, 부경대)	Quasi Parton Distribution for the Pseudoscalar Mesons
1500-1530	Kenji Nishiwaki, KIAS	

Simultaneous Interpretation of K and B Anomalies in Vectorlike Compositeness

1530-1600	break for coffee	
1600-1800	Session 8	Chaired by Sung-il Nam
1600-1630		Jeonghyeon Song, Konkuk University (송정현, 건국대) Can Longitudinal Polarization Enhancement of a Heavy Scalar Boson Happen Radiatively?
1630-1700		Yi-Lei Tang, KIAS Calculations of the Sommerfeld Effect in a Unified Wave Function Framework
1700-1730		Peiwen Wu, KIAS Scalar Dark Matter Interpretation of the DAMPE Data with U(1) Gauge Interactions
1730-1800		Yongsoo Jho, Yonsei University (조용수, 연세대) What Can We Learn about New Physics with Ultra-High-Energy-Cosmic Ray (UHECR)?
1800-2000	dinner	Banquet at Geum Ha (金河 Chinese Restaurant) Welcome speech

Day 3 9 August (Thu)

0830-0930	breakfast snack	
0930-1100	Session 9	Chaired by Sun Kun Oh
0930-1000		Kohei Kamada, CTPU Primordial Magnetic Fields and Baryogenesis
1000-1030		Sin Kyu Kang, Seoultech (강신규, 서울과기대) Roles of Sterile Neutrino in Particle Physics and Cosmology
1030-1100		Yongkyu Ko, Yonsei University (고용규, 연세대) 7Be Neutrino Line Shift in the Sun
1100-1130	break for coffee	
1130-1230	Session 10	Chaired by Wontae Kim
1130-1200		Youngdo Oh, KNU (오영도, 경북대) Search for New Heavy Particles with Tau Channels in pp Collisions at $\sqrt{s}=13$ TeV
1200-1230		Jihye Song, PNU (송지혜, 부산대) Study of the Quark Gluon Plasma in the Light-flavor Sector at the LHC with the ALICE Experiment
1230-1400	break for lunch	

1400-1530	Session 11	Chaired by Yongkyu Ko
1400-1430	Gui Nyeon Kim, KNU (김귀년, 경북대)	Search for New Force Using Neutron Scattering at HANARO
1430-1500	Gungwon Kang, KISTI (강궁원, KISTI)	SOGRO: Superconducting Tensor Gravitational Wave Detector for Mid-Frequencies
1500-1530	Doris Kim, Soongsil University (김양수, 숭실대)	Belle and Belle II: Status and Prospects
1530-1600	break for coffee	
1600-1800	Session 12	Chaired by Doris Kim
1600-1630	Hyeon Kwan Seo, SNU (서현관, 서울대)	Recent Results from RENO
1630-1700	Jinmian Li, KIAS	Pseudoscalar Mediator Dark Matter Models at the LHC and Beyond
1700-1730	Dong Woo Kang, Yonsei University (강동우, 연세대)	Time-Information at Colliders: a New Paradigm of Kinematics Study
1730-1800	Sun Kun Oh, CUP and Konkuk University (오선근, CUP 및 건국대)	Open Science Policy for LHC
1800-2000	dinner	Dinner at Outback Steakhouse Farewell address
2000	adjourn	

