

Program

Oct. 25

10:30 Registration

Morning session (chair: Takahashi)

11:00 Opening remarks (Takahashi)

11:05 Masaki Yamada (Tufts U.) "Entanglement entropy and decoupling in the Universe"

12:05 Shinya Matsuzaki (Nagoya U.) "Dynamical scalegenesis via bosonic seesaw mechanism"

12:25 Lunch

Afternoon session (chair: Iso)

14:00 Hiroyuki Ishida (NCTS, Hsinchu) "Cosmological aspects in the nuMSM"

15:00 Sho Iwamoto (Technion & U. of Padova) "Charm-tagging for new physics at the LHC"

16:00 Break

16:30 Kohei Kamada (Arizona State U. & IBS-CTPU) "Cosmological Magnetic Fields and their Impacts on Particle Physics"

Oct. 26

Morning session (chair: Moroi)

9:30 Kiwoon Choi (IBS-CTPU) "Clockwork and its continuum limit"

10:30 Break

10:45 Ryosuke Sato (Weizmann Inst.) "Antihelium³ cosmic ray"

11:45 Minoru Tanaka (Osaka U.) "Implication of precision atomic isotope shift measurements in particle physics"

12:05 Naoya Kitajima (Nagoya U.) "Cosmological Higgs stabilization by a stochastic spectator field"

12:25 Lunch

Afternoon session (chair: Yokozaki)

14:00 Kwang Sik Jeong (Pusan Nat. U.) "Peccei-Quinn Relaxion"

15:00 Toyokazu Sekiguchi (RESCEU, U. of Tokyo) "Cosmological implications of axion like particle coupled to hidden photon"

16:00 Break

16:30 Eibun Senaha (IBS-CTPU) "On the perturbative treatment of the phase transition: theoretical and phenomenological considerations"

17:30 Poster session and Discussion (leader: Ryosuke Sato) (1 hour)

Shuhei Iguro (Nagoya U.) " $R(D^{(*)})$ in a general two higgs doublet model"

Keisuke Inomata (Tokyo U., ICRR) " $O(10)$ Msolar primordial black

holes and string axion dark matter”

Osamu Seto (Hokkaido U.) “Constrained seesaw extended NMSSM”

Ryuji Daido (Tohoku U.) “TBA”

Yoshio Fujitani (Tohoku U.) “Probing Higgs self-coupling of a classically scale invariant model in $e^+ e^- \rightarrow Zh\bar{h}$ ”

18:30

Dinner

Oct. 27

Morning session (chair: Nagai)

9:30 Jason Evans (KIAS) “Natural Low-Scale Inflation and the Relaxion”

10:30 Break

10:45 Chuan-Ren Chen (Taiwan, Natl. Normal U.) “Higgs boson pair production at the LHC”

11:45 Seiga Sato (Waseda U.) “Hybrid Higgs inflation”

12:05 Taishi Katsuragawa (Central China Normal U.) “Chameleonic Dark Matter and Coincidence Problem”

12:25 Lunch

Afternoon session (chair: Takahashi)

14:00 Norimi Yokozaki (Tohoku U.) “Light Squarks and SUSY Flavor (non)-problem in Higgs-Anomaly Mediation”

15:00 Ryo Nagai (Tohoku U.) “Light Higgsino and Gluino in R-invariant Direct Gauge Mediation”