



# International Workshop on Future Linear Colliders, LCWS2024

## Tuesday, 9 July 2024

### Higgs, Electroweak: 1 - Ito Hall (09:00 - 10:30)

-Conveners: Manqi RUAN; Shinya Kanemura

time	[id] title	presenter
09:00	[255] Higgs measurements at the LHC and HL-LHC (Invited)	ZHANG, Dengfeng
09:30	[88] Determination of CP-violating Higgs couplings with transversely-polarized beams at the ILC	Dr LI, Cheng
09:50	[113] Prospects of measuring quantum entanglement in $H \rightarrow \tau\tau$ at a future $e^+e^-$ Higgs factory	Mr BREUNING, Cedric
10:10	[181] Decoding Higgs Boson Branching Ratios from Event Shape Variables	REICHELT, Daniel

### Higgs, Electroweak: joint with BSM/GI - Ito Hall (11:00 - 12:30)

-Conveners: Manqi RUAN; Shinya Kanemura

time	[id] title	presenter
11:00	[85] Collider Tests of Nanohertz Gravitational Waves	Dr LI, Shaoping
11:15	[115] Searching for heavy neutral leptons in electron positron colliders	DAS, Arindam
11:30	[135] Testing the gauged $U(1)_{B-L}$ model for loop induced neutrino mass with dark matter at future colliders	YING, GUOHAO
11:45	[218] Higgs Production at $\mu^+\mu^-$ Colliders	Mr TREUER, Lukas
12:00	[122] Exploring new physics by loop-corrected decays of additional Higgs bosons	KIKUCHI, Mariko
12:15	[101] $4b \rightarrow X$ via electroweak multi-Higgs production as smoking gun signal for the Type-I 2HDM at the LHC	Dr SANYAL, Prasenjit

# Wednesday, 10 July 2024

## Higgs, Electroweak: 2 - Koshiba Hall (09:00 - 10:30)

-Conveners: Georg Ralf Weiglein; Shinya Kanemura

time	[id] title	presenter
09:00	[254] Electroweak measurements at the LHC and HL-LHC (Invited)	MAGNAN, Anne-Marie
09:30	[207] Searching for new physics in WW and single-W events	LIST, Jenny
09:50	[61] Higher-order initial state radiation in e+e- annihilation	ARBUZOV, Andrej
10:10	[107] New renormalization scheme in extended Higgs sectors for Higgs precision measurements	YAGYU, Kei

## Higgs, Electroweak: 3 - Koshiba Hall (11:00 - 12:30)

-Conveners: Graham Wilson; Georg Ralf Weiglein

time	[id] title	presenter
11:00	[67] Searching for Charged Higgs Bosons via $e^+e^- \rightarrow H^+H^- \rightarrow c\bar{c}b\bar{b}$ at Linear Colliders	HOU, George W.-S.
11:20	[174] Impact of quark flavor violating SUSY on h(125) decays at future lepton colliders	Prof. HIDAHA, Keisho
11:40	[208] Towards an update of the ILD ZHH analysis	BLIEWERT, Bryan
11:55	[161] Higher-order effects in the trilinear Higgs coupling for future collider experiments	OHZAWA, Shuhei
12:10	[98] Loop induced $H^\pm W^\pm Z$ vertex in CP violating two Higgs doublet model and its impact on collider phenomenology	MURA, Yushi

## Higgs, Electroweak: 4 - Koshiba Hall (16:00 - 17:40)

-Conveners: Georg Ralf Weiglein; Graham Wilson

time	[id] title	presenter
16:00	[148] BSM Triple Higgs couplings at the ILC/CLIC	ARCO, Francisco HEINEMEYER, Sven
16:25	[257] ECFA Study: Higgs Self-coupling	HEINEMEYER, Sven
16:45	[109] New collider implications on a strongly first order EWPT.	FLORENTINO, Ricardo
17:00	[167] Double Higgs production in composite two Higgs doublet model	SAKURAI, Kodai
17:15	[264] Higgs self coupling: Theory status	MCCULLOUGH, Matthew