

Program of the 8th Regular Meeting, the Toyama Higgs Working Group (Ver. of 11 January 2014)

January 11. (Saturday), 2014

11:20 - 11:50 Registration

(Chair: Mitsuru Kakizaki)

12:00 - 12:30 Shinya Kanemura (Toyama) Introduction

12:30 - 13:15 Koji Terashi (Tokyo) LHC Results and Future Prospects

13:15 - 14:00 Hitoshi Yamamoto (Tohoku) The ILC project - status and prospect

14:00 - 14:30 Break

(Chair: Tetsuo Shindo)

14:30 - 15:10 Hiroshi Yokoya (Toyama) Extended Higgs direct searches at LHC/ILC (Review)

15:10 - 15:40 Kei Yagyu (NCU) Fingerprinting of the Higgs boson couplings as an indirect search for extended Higgs sectors

15:40 - 16:10 Cheng-Wei Chiang (NCU) Higgs boson and vector boson fusion processes at LHC

16:10 - 16:40 Yutaro Shoji (Tohoku) The Higgs and Neutralino sectors in the Next-to-MSSM

16:40 - 17:20 Break

(Chair: Yasuhiro Okada)

17:20 - 17:50 Pyungwon Ko (KIAS) Multi-Higgs doublet models with $U(1)_H$ Higgs flavor symmetry

17:50 - 18:20 Chaehyun Yu (KIAS) 2HDM with gauged $U(1)$ Higgs symmetry and dark matter

18:20 - 18:50 Enkhbat Tsedenbaljir (MAS) Scalar Lepto-Quarks and Higgs pair production at the LHC

Dinner

19:30 - 21:30 Yao-Matsu-Tei

January 12. (Sunday), 2014

(Chair: Mayumi Aoki)

9:30 - 10:00 Kinya Oda (Osaka) Standard Model at high energies

10:00 - 10:20 Michio Hashimoto (Chubu) Electroweak symmetry breaking in the flatland

10:20 - 10:40 Ryo Nagai (Nagoya) Constraining extended electroweak symmetry breaking scenarios using the unitarity sum rules and the oblique parameters

10:40 - 11:10 Break

(Chair: Koji Tsumura)

11:10 - 11:40 Takehiko Asaka (Niigata) The nuMSM -- Neutrino Masses, Dark Matter, and Baryon Asymmetry --

11:40 - 12:20 Osamu Seto (HGU) (WIMP) Dark Matter Research : status and perspective

12:20 - 13:00 Hiroaki Sugiyama (Kyoto S.U.) TeV scale new physics models of neutrino masses

13:00 - 14:10 Lunch

(Chair: Hiroaki Sugiyama)

14:10 - 14:50 Eibun Senaha (Nagoya) Current status of electroweak baryogenesis

14:50 - 15:20 Ran Huo (IPMU) Electroweak Baryogenesis beyond the high temperature expansion

15:20 - 15:50 Toshihumi Yamada (NCU) Possibility of strongly-coupled Higgs sector

(Chair: Shinya Kanemura)

16:00 - 17:00 Discussion (Including discussions on the document and the plan for the next academic year)

17:00 Adjourn