

Program of the 12th Regular Meeting, the Toyama Higgs Working Group  
(Ver. of 9 Jan. 2015)

**January 10. (Saturday), 2015**

11:30 – 12:00 Registration

**(Chair: Mitsuru KAKIZAKI)**

12:00 – 12:30 Shinya KANEMURA ( Toyama ) Introduction

12:30 – 13:15 Minoru HIROSE ( Tokyo  
Institute  
of  
Technology ) Results from the ATLAS experiment

13:15 – 14:00 Keisuke FUJII ( KEK ) MEXT ILC Review

14:00 – 14:20 Break

**(Chair: Mayumi AOKI)**

14:20 – 14:50 Hiroshi YOKOYA ( Toyama ) Top physics

14:50 – 15:20 Kunio KANETA ( ICRR ) Phenomenology of minimal composite Higgs model

15:20 – 15:50 Kazuhiro ENDO ( Tohoku ) Analysis of radiative electroweak symmetry breaking and its detectability

15:50 – 16:10 Ryo NAGAI ( Nagoya ) Tree level unitarity and the finiteness of electroweak oblique corrections

16:10 – 16:30 Break

**(Chair: Tetsuo SHINDOU)**

16:30 – 17:00 Kinya ODA ( Osaka ) Higgs inflation and cosmological constant problem

17:00 – 17:20 Shoichi KASHIWASE ( Kanazawa ) Inflation in a modified radiative seesaw model

17:20 – 17:40 Toshinori MATSUI ( Toyama ) Higgs inflation by flat potential and a radiative seesaw mechanism

17:40 – 18:00 Break

**(Chair: Shinya KANENURA)**

18:00 – 19:00 Nobuhito MARU ( Osaka City U. ) Current Situation of Gauge-Higgs Unification

**Dinner**

19:30 – 21:00 "AZAMI" on Campus U. of Toyama

**January 10. (Sunday), 2015**

**(Chair: Hiroshi YOKOYA)**

9:00 – 9:30 Tetsuo SHINDOU ( Kogakuin ) Beyond the SM phenomena and the extended Higgs sector based on the SUSY gauge theory with confinement

9:30 – 10:00 Toshifumi YAMASHITA ( Aichi Medical U. ) Grand gauge-Higgs unification and its Higgs sector

10:00 – 10:30 Tomohiro ABE ( KEK ) Quantum corrections to the spin-independent cross section in the inert Higgs doublet model

10:30 – 10:50 Akiteru SANTA ( Toyama ) Probing light thermal sneutrino dark matter

10:50 – 11:10 Break Photo

**(Chair: Nobuhito Maru)**

11:10 – 11:40 Eibun SENAHA ( Nagoya ) Electroweak baryogenesis as a probe of new physics

11:40 – 12:10 Hiroshi TAKANO ( Kavli IPMU ) Composite darkmatter from the hidden QCD sector

12:10 – 12:30 Mariko KIKUCHI ( Toyama ) Radiative Correction to Higgs couplings

12:30 – 14:00 Lunch

**(Chair: Koji TSUMURA)**

14:00 – 14:30 Mitsuru KAKIZAKI ( Toyama ) Heavy Higgs reach at ILC

14:30 – 15:00 Hiroaki SUGIYAMA ( Maska Institute ) Radiative Neutrino Mass Models

15:00 – 15:30 Osamu SETO ( Hokkai Gakuenn ) Two Higgs doublet portal dark matter

15:30 – 15:40 Break

**(Chair: Shinya Kanemura)**

Discussion · Summarizing the activity of NHWG for previous three years  
· Future activity of NHWG. Current Status of the Document

15:40 – 17:00 · Announcement of HPNP2015  
· Others

17:00 Adjourn