

Program of the 21th Regular Meeting, the New Higgs Working Group
(Ver. 3: 22. December 2017)

22. December (Fri.)

12:00 - 13:00 Registration

(Chair : Tetsuo Shindou)

13:00 - 13:20 Shinya Kanemura (Osaka U.) Overview

13:20 - 14:20 Hideki Okawa (U. of Tsukuba) Highlights of LHC Higgs Results & Prospects for the Future

14:20 - 14:50 BREAK

(Chair : Kentarou Mawatari)

14:50 - 15:20 Keisuke Fujii (KEK) ILC

15:20 - 15:40 Ryusuke Jinno (IBS) Likelihood analysis on gravitational waves from first-order phase transitions

15:40 - 16:00 Toshinori Matsui (KIAS) Gravitational waves from first order phase transition in dark gauge symmetry

16:00 - 16:20 Hiromitsu Goto (Kanazawa U.) Gravitational Waves from Hidden QCD Phase Transition

16:20 - 16:50 BREAK

(Chair : Monoru Tanaka)

16:50 - 17:30 Maurizio Giannotti (Barry U.) Axions: stellar hints and detection potential

17:30 - 18:30 Discussion Session I

BANQUET

19:30 - 21:30 DINNER Mekiki-no-Ginji

23. December (Sat.)

(Chair : Takashi Shimomura)

9:00 - 9:20 Mariko Kikuchi (National Taiwan U.) H-COUP project ~ Precise calculations of Higgs observables ~

9:20 - 9:40 Kentarou Mawatari (Osaka U.) H-COUP: toward version 2

9:40 - 10:00 Mitsunori Kubota (Osaka U. / U. of Toyama) Indirect verification of the extended Higgs model with CP-violation

10:00 - 10:20 Yoshio Fujitani (Tohoku U.) Momentum (in)dependence of the Higgs triple coupling of GSI-model

10:20 - 10:50 BREAK

(Chair : Hiroaki Sugiyama)

10:50 - 11:10 Michio Hashimoto (Chubu U.) Dynamical Symmetry Breaking and Collider Physics

11:10 - 11:30 Yutaro Shoji (ICRR) State-of-the-Art Calculation of the Decay Rate of Electroweak Vacuum in Standard Model

11:30 - 11:50 Shao-Feng Ge (Kavli IPMU) The New Physics Scales to be Probed at Lepton Colliders

11:50 - 12:10 Johannes Braathen (UPMC) Automating Higgs precision calculations: two-loop corrections for Higgs masses and couplings

12:10 - 13:40 LUNCH

(Chair : Michio Hashimoto)

13:40 - 14:00 Koji Tsumura (Kyoto U.) Gauged $SU(2)_{\mu\tau}$ Model for Muon $g-2$ anomaly

14:00 - 14:20 Kenji Nishiwaki (KIAS) Magnetized extra dimensions generate quark flavor structure

14:20 - 14:40 Takaaki Nomura (KIAS) Neutrino mass, $R_{[D^{*}]}$ and $R_{[K^{*}]}$ anomalies with two scalar leptoquarks

14:40 - 15:00 Takashi Toma (Technical U. of Munich) Dark Matter Induced from Gauge Symmetry

15:00 - 15:20 Yukari Nakanishi (Osaka U.) Putting the lower bound on the tensor-to-scalar ratio in "unspecified" Higgs inflation

15:20 - 15:50 BREAK

15:50 - 16:50 Discussion Session II

16:50 Adjourn