

Session Program

17-23 Aug 2013

Summer Institute 2013

Afternoon Seminars

[Jirisan](http://en.wikipedia.org/wiki/Jirisan) [National Park](http://english.knps.or.kr/Knp/Jirisan/Intro/Introduction.aspx), Korea, [Hanhwa Resort](http://www.hanwharesort.co.kr/irsweb/resort2/eng/scope/resort_11.html) [32-1 Hwangjeon-ri, Masan-myeon, Gurye, Jeollanam-do, South Korea](http://maps.google.ch/maps?client=safari&rls=en&oe=UTF-8&redir_esc=&q=32-1+Hwangjeon-ri,+Masan-myeon,+Gurye,+Jeollanam-do,+South+Korea&um=1&ie=UTF-8&hq=&hnear=0x356e3b689f97bcbf:0x68230db73ff256a7,32-1+Hwangjeon-ri,+Masan-myeon,+Gurye,+Jeollanam-do,+South+Korea&gl=ch&sa=X&ei=cq39UMnQG4TAtAahoYDQBA&ved=0CDYQtgM)

Sunday 18 August

16:00

Afternoon Seminars

Session | Location: Hanhwa Resort

16:00–16:10 **0.0 Issues in Hidden Sector Dark Matter**

Speaker

Seungwon Baek

16:10–16:20

0.1 Lepton Flavor Violating Higgs Decays in Supersymmetry without R Parity

Speaker

Yifan Cheng

16:20–16:30

0.2 Probing Neutrino Masses and Baryon Asymmetry in Kaon decays

Speaker

Shintaro Ejjima

16:30–16:40

0.3 Observation of CP violation in $D^0 \rightarrow K^- \pi^+$ as a smoking gun for New Physics

Speaker

Gaber Faisel

16:40–16:50

0.4 1-2 Mass Degeneration in the Leptonic Sector

Speaker

Hiroyuki Ishida

16:50–17:00

0.5 Neutrino mass degeneracy and CP violation

Speaker

Takeshi Araki

17:00–17:20

Coffee Break

17:20–17:30

0.6 Parity violation in top pair production via SUSY

Speaker

Kunio KANETA

17:30–17:40

0.7 Searching for a flavor changing decay $t \rightarrow ch$ at the LHC

Speaker

Masaya Kohda

17:40–17:50

0.8 Phenomenology of Fermionic Asymmetric Dark Matter

Speaker

Dr Shigeki Matsumoto

17:50–18:00

0.9 Nonabelian Dark Matter with Resonant Annihilation

Speaker

Takaaki Nomura

18:00-18:10

0.10 Higgs phenomenology in the supersymmetric grand unified theory with the Hosotani mechanism

Speaker

Hiroyuki TANIGUCHI

18:10

Monday 19 August

16:00

Afternoon Seminars

Session | Location: Hanhwa Resort

16:00–16:10

1.0 Neutrino mass texture with neutrino mass ratio and Cabibbo angle

Speaker

Yusuke SHIMIZU

16:10–16:20

1.1 A 125 GeV Higgs boson and Electroweak Phase Transition in the model based on SUSY strong dynamics

Speaker

Tetsuo SHINDOU

16:20–16:30

1.2 Virtual Internal Bremsstrahlung of Dark Matter

Speaker

Takashi TOMA

16:30–16:40

1.3 Constraining Sterile Neutrino Mixing with Daya Bay experiment

Speaker

Chan Fai Wong

16:40–16:50

1.4 Probing exotic Higgs sectors from the enhancement of the hVV coupling

Speaker

Kei YAGYU

16:50–17:00

1.5 2HDM with spontaneous Higgs symmetry breaking

Speaker

Chaehyun Yu

17:00–17:20

Coffee Break

17:20–17:30

1.6 Constraints on Universal Extra Dimensions from Higgs boson search

Speaker

Takuda KAKUDA

17:30–17:40

1.7 Neutrino mass in the effective theory of the strongly-coupled supersymmetric $SU(2)_H$ gauge theory

Speaker

Naoki MACHIDA

17:40–17:50

1.8 Loop Suppression of Dirac Neutrino Mass in the Neutrinophilic Two Higgs Doublet Model

Speaker
Toshinori MATSUI

17:50–18:00 **1.9 Glauber gluons in pion-induced Drell-Yan process**

Speaker
Chun-peng CHANG

18:00

Tuesday 20 August

16:00

Afternoon Seminars

Session | Location: Hanhwa Resort

16:00–16:10 **2.0 right-handed charged current of $b \rightarrow u$ transition**

Speaker

Tetsuya ENOMOTO

16:10–16:20

2.1 OLIMPO, a balloon-borne telescope for cosmology, Design and analysis of the optical system'

Speaker

Maxime FOLLIN

16:20–16:30

2.2 Minimal Fine Tuning in Supersymmetric Higgs Inflation

Speaker

Takumi IMAI

16:30–16:40

2.3 Baryon number asymmetry in the radiative seesaw model with an inert doublet

Speaker

Shoichi KASHIWASE

16:40–16:50

2.4 WW Scattering in the Era of Post Higgs Discovery

Speaker

Chih-Ting LU

16:50–17:00

2.5 TeV scale Mirage Mediation with vector-like quark

Speaker

Hiroki MAKINO

17:00–17:20

Coffee Break

17:20–17:30

2.6 The NMSSM with long-lived slepton in light of a 125 GeV Higgs boson and light element abundances

Speaker

Shingo OHTA

17:30–17:40

2.7 $H \rightarrow \gamma\gamma, gg$ in the $SO(5) \times U(1)$ gauge-Higgs unification

Speaker

Takuya SHIMOTANI

17:40–17:50

2.8 Multi-component Dark Matter in Two Loop Radiative Seesaw Model

Speaker

Hiroshi TAKANO

17:50-18:00

2.9 Dark Matter and Entropy Production in the nuMSM

Speaker

Kazuhiro TAKEDA

18:00

Thursday 22 August

16:00

Afternoon Seminars

Session | Location: Hanhwa Resort

16:00–16:10

3.0 Vector-like leptons and extra gauge symmetry for the natural Higgs boson

Speaker

Bumseok Kyae

16:10–16:20

3.1 Non-Abelian discrete flavor symmetry from magnetized extra dimensions

Speaker

Yoshiyuki TATSUTA

16:20–16:30

3.2 General holomorphic pure supergravity and its cosmology

Speaker

Takahiro TERADA

16:30–16:40

3.3 LARGE volume scenario in 5D SUGRA

Speaker

Yusuke YAMADA

16:40–16:50

3.4 the Higgs boson phenomenon in the Little Higgs model with T-parity via the heavy Zh pair production

Speaker

Jung Chang

16:50–17:00

3.5 Exploring for a light composite scalar in many flavor QCD

Speaker

Hiroshi OHKI

17:00–17:20

Coffee Break

17:20–17:30

3.6 Universality in the $SO(5) \times U(1)$ gauge-Higgs unification and LHC/ILC

Speaker

Yutaka HOSOTANI

17:30–17:40

3.7 Generic Aspects of Higgs fits

Speaker

gregory moreau

17:40–17:50

3.8 Neutrino spectrum via Electroweak bremsstrahlung in bino-like dark matter annihilations

Speaker

Takeshi NIHEI

17:50-18:00 **3.9 PeV Dark Matter**

Speaker
Seongchan Park

18:00-18:20 **3.10 Summary**

Speaker
Jihn E. Kim

18:20