

Asian Linear Collider Workshop (ALCW2015)

Monday, 20 April 2015

Physics: Physics - Kobayashi Hall (11:00 - 12:30)

-Conveners: Keisuke Fujii; Michael Peskin; Christophe Grojean; Shinya Kanemura; Mihoko Nojiri

| time | [id] title | presenter |
|-------|--|----------------------|
| 11:00 | [98] Leptonic Higgs Recoil Mass Study with ILD at 350GeV | Dr YAN, Jacqueline |
| 11:15 | [99] Hadronic Higgs Recoil Mass Study with ILD at 250GeV | Mr TOMITA, Tatsuhiko |
| 11:35 | [100] Branching ratio study of Higgs boson decaying into tau pairs with ILD at the ILC | KAWADA, Shin-ichi |
| 11:50 | [101] Measurement precision study of the top Yukawa coupling with ILD full simulation at ILC | SUDO, Yuji |
| 12:10 | [102] Beam polarization effect on Full $O(\alpha)$ corrections at ILC | QUACH, Nhi M.U. |

Physics: Physics - Kobayashi Hall (14:00 - 15:30)

-Conveners: Michael Peskin; Christophe Grojean; Keisuke Fujii; Shinya Kanemura; Mihoko Nojiri

| time | [id] title | presenter |
|-------|--|---------------------|
| 14:00 | [103] Fingerprinting new physics by measuring Higgs couplings | Dr KANEMURA, Shinya |
| 14:20 | [105] Radiative Corrections to Higgs couplings | Ms KIKUCHI, Mariko |
| 14:35 | [106] Footprints of Supersymmetry on Higgs Decay | ENDO, Motoi |
| 14:55 | [107] Indirect reach of the heavy MSSM Higgs boson mass scale by precise measurements of Higgs boson decay branching ratios at future linear colliders | KAKIZAKI, Mitsuru |
| 15:15 | [108] Composite Higgs models and phase shift measurements | Dr KANETA, Kunio |

Physics: Physics - Kobayashi Hall (16:00 - 17:40)

-Conveners: Keisuke Fujii; Michael Peskin; Christophe Grojean; Shinya Kanemura; Mihoko Nojiri

| time | [id] title | presenter |
|-------|---|------------------------------------|
| 16:00 | [109] Exploring the Higgs sector of Georgi-Machacek model at colliders | CHIANG, Cheng-Wei |
| 16:20 | [110] Unitarity of Extended Higgs Sector | Mr NAGAI, Ryo |
| 16:35 | [111] A scale invariant Higgs sector and its detectability | ENDO, Kazuhiro |
| 16:50 | [112] Electroweak phase transition in the singlet-extended SM | FUYUTO, Kaori |
| 17:05 | [113] Beyond the SM phenomena and the extended Higgs sector based on the SUSY gauge theory with confinement | Dr SHINDOU, Tetsuo |
| 17:25 | [133] One-loop effects of MSSM scenarios in 3rd generation fermion pair production at ILC with GRACE/SUSY | Prof. KON, Tadashi KOUA, Yusaku |

Physics: Physics - Kobayashi Hall (18:00 - 19:00)

-Conveners: Keisuke Fujii; Christophe Grojean; Shinya Kanemura; Mihoko Nojiri; Michael Peskin

| time | [id] title | presenter |
|-------|--|----------------------|
| 18:00 | [114] Study of Higgs Self-Coupling Using $H \rightarrow WW^*$ Decay with ILD | Mr KURATA, Masakazu |
| 18:20 | [115] Search for $e^+e^- \rightarrow H^+ W^-$ with ILD at the ILC | Dr ISHIKAWA, Akimasa |
| 18:40 | [116] Fast event generation on GPU | KANZAKI, Junichi |

Tuesday, 21 April 2015

Physics: Physics - Kobayashi Hall (09:00 - 10:30)

-Conveners: Shinya Kanemura; Keisuke Fujii; Christophe Grojean; Michael Peskin; Mihoko Nojiri

| time | [id] title | presenter |
|-------|--|--------------------|
| 09:00 | [117] The status of the WHIZARD event generator | REUTER, Jürgen |
| 09:20 | [118] Potential searches for new CP violation sources at ILC | DRUTSKOY, Alexey |
| 09:40 | [119] Study of Electroweak Symmetry Breaking through Higgs and Gauge Boson Couplings | KUMAR, Satendra |
| 10:00 | [120] Searches for extra Higgs bosons in 4 top quark events at the ILC | Dr YOKOYA, Hiroshi |

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|-------|---|----------------------|
| 11:00 | [121] Mono-Photon WIMP prospects at the ILC from 250 GeV to 1 TeV | Mr HABERMEHL, Moritz |
| 11:20 | [104] Characterizing Invisible Electroweak Particles through Single-Photon Processes at e+e Colliders | KALINOWSKI, Jan |
| 11:40 | [122] ILC prospect for testing Higgs portal WIMP motivated by Galactic Center excess | SETO, Osamu |
| 12:00 | [123] Quantum corrections to the spin-independent cross section in the inert Higgs doublet model | ABE, Tomohiko |
| 12:15 | [124] Phenomenological constraints on GeV-mass mixed sneutrino dark matter scenarios | SANTA, Akiteru |

Physics: Physics - Kobayashi Hall (14:00 - 15:00)

-Conveners: Keisuke Fujii; Christophe Grojean; Shinya Kanemura; Michael Peskin; Mihoko Nojiri

| time | [id] title | presenter |
|-------|--|----------------------|
| 14:00 | [125] Higgs as a probe of supersymmetric grand unification with the Hosotani mechanism | YAMASHITA, Toshifumi |
| 14:15 | [126] Probing the Higgs sector via gravitational wave from first order electroweak phase transition | Mr MATSUI, Toshinori |
| 14:30 | [127] Lepton-specific two Higgs doublet model in the light of muon g-2 anomaly. | SATO, Ryosuke |
| 14:45 | [128] Reconstructing Supersymmetric Contribution to Muon Anomalous Magnetic Dipole Moment at the ILC | KITAHARA, Teppei |