

HPNP2017 - The 3rd Toyama International Workshop on "Higgs as a Probe of New Physics 2017"

Wednesday, 1 March 2017

Oral session - Tamokuteki Hall (Room B243) (09:30 - 10:30)

| time | [id] title | presenter |
|-------|---|---------------------|
| 09:30 | [56] A Theorist's Outlook for Higgs physics beyond the Standard Model | HABER, Howard |
| 10:00 | [71] Higgs Couplings Measurements and New Physics | WAGNER, Carlos E.M. |

Oral session - Tamokuteki Hall (Room B243) (11:00 - 12:30)

| time | [id] title | presenter |
|-------|--|----------------|
| 11:00 | [73] Measurements & BSM Searches in the Higgs Sector at the LHC | OKAWA, Hideki |
| 11:45 | [54] ILC, project status and physics with focus on electroweak symmetry breaking | FUJII, Keisuke |

Oral session - Tamokuteki Hall (Room B243) (14:00 - 16:00)

| time | [id] title | presenter |
|-------|---|---------------------------------------|
| 14:00 | [64] Charged Higgs bosons in 2HDMs at the LHC | MORETTI, Stefano |
| 14:30 | [62] The alignment limit in two-Higgs-doublet models | KRAML, Sabine |
| 15:00 | [70] Comparing extended scalar sectors at the LHC | SERRA RIBEIRO DOS SANTOS, Rui Alberto |
| 15:30 | [82] Threshold corrections to the heavy Higgs decay | YOKOYA, Hiroshi |
| 15:45 | [2] Exploring a heavy charged Higgs using jet substructure at the LHC | SHARMA, Pankaj |

Oral session - Tamokuteki Hall (Room B243) (16:30 - 18:30)

| time | [id] title | presenter |
|-------|---|-----------------------|
| 16:30 | [16] Probing the Higgs self coupling via single Higgs production at the LHC | GIARDINO, Pier Paolo |
| 17:00 | [77] Higgs boson couplings in the non-minimal Higgs sectors | Dr YAGYU, Kei |
| 17:30 | [42] Higgs characterisation: spin and parity properties | Dr MAWATARI, Kentarou |
| 18:00 | [28] Heavy Higgs boson lineshape in the $t\bar{t}$ final state | ZHANG, Cen |
| 18:15 | [94] Vacuum Structure of the complex singlet-doublet model | FERREIRA, Pedro |

Thursday, 2 March 2017

Oral session - Tamokuteki Hall (Room B243) (08:45 - 10:30)

| time | [id] title | presenter |
|-------|---|------------------|
| 08:45 | [57] SUSY Higgs Bosons in the Light of LHC Data | HEINEMEYER, Sven |
| 09:15 | [52] Complete Renormalisation of the NMSSM at One-Loop | BOUDJEMA, Fawzi |
| 09:45 | [81] Signals at LHC and dark matter in a supersymmetric left-right model | HUITU, Katri |
| 10:15 | [13] Coupled system of two ~ 125 GeV Higgs bosons in the (complex) NMSSM | Dr MUNIR, Shoaib |

Oral session - Tamokuteki Hall (Room B243) (11:00 - 12:30)

| time | [id] title | presenter |
|-------|---|------------------------|
| 11:00 | [58] Origin of Higgs: gauge-Higgs unification at LHC/ILC and beyond | Prof. HOSOTANI, Yutaka |
| 11:30 | [50] Theory and Phenomenology of Composite 2-Higgs Doublet Models | Dr DE CURTIS, Stefania |
| 12:00 | [89] Light Higgs from Pole Attractor | MATSEDONSKYI, Oleksii |
| 12:15 | [48] Bound States via Higgs Exchanging and Heavy Resonant Di-Higgs | Dr KANG, zhaofeng |

Oral session - Tamokuteki Hall (Room B243) (14:00 - 16:00)

| time | [id] title | presenter |
|-------|--|-------------------------|
| 14:00 | [63] Doublet and singlet extensions of the SM | KRAWCZYK, Maria |
| 14:30 | [51] Topics in extended Higgs sector Models | ARHRIB, Abdesslam |
| 15:00 | [53] Higgs boson pair production in the Georgi-Machacek model at the LHC | Prof. CHIANG, Cheng-Wei |
| 15:30 | [21] New physics deviations in Higgs pair production at the LHC | GROEBER, Ramona |
| 15:45 | [30] Enhanced di-Higgs signals at hadron colliders probe singlet scalar, coupled to colored sector | Dr NISHIWAKI, Kenji |

Friday, 3 March 2017

Oral session - Tamokuteki Hall (Room B243) (08:45 - 10:15)

| time | [id] title | presenter |
|-------|--------------------------------------|--------------------------|
| 08:45 | [65] Neutrino experiments at Kamioka | Prof. NAKAHATA, Masayuki |
| 09:30 | [59] Gravitational wave astronomy | Prof. KAWAMURA, Seiji |

Oral session - Tamokuteki Hall (Room B243) (10:45 - 12:00)

| time | [id] title | presenter |
|-------|--|-------------------|
| 10:45 | [72] LISA as a probe of the Higgs sector and TeV-scale particle physics | NARDINI, Germano |
| 11:15 | [76] Probing physics behind the electroweak symmetry breaking at future gravitational wave interferometers and future collider experiments | KAKIZAKI, Mitsuru |
| 11:45 | [35] Analytic approach to gravitational waves from bubble collisions | Dr JINNO, Ryusuke |

Saturday, 4 March 2017

Oral session - Tamokuteki Hall (Room B243) (08:45 - 10:30)

| time | [id] title | presenter |
|-------|---|---------------------------|
| 08:45 | [69] Electroweak Baryogenesis | RAMSEY-MUSOLF, Michael |
| 09:15 | [47] Electroweak Baryogenesis with Flavor Violation | Dr SENAHA, Eibun |
| 09:45 | [61] Electroweak baryogenesis and flavor physics | KONSTANDIN, Thomas Markus |
| 10:15 | [49] The hierarchical two-Higgs-doublet model: probing the EW phase transition at the LHC | MIMASU, Ken |

Oral session - Tamokuteki Hall (Room B243) (11:00 - 12:30)

| time | [id] title | presenter |
|-------|--|------------------|
| 11:00 | [66] The Multiple Point Principle (TBC) | NIELSEN, Holger |
| 11:30 | [25] Renormalization-Scale Uncertainty in the Decay Rate of False Vacuum | Dr SHOJI, Yutaro |
| 11:45 | [26] Higgs-portal assisted Higgs inflation | KIM, Jinsu |
| 12:00 | [79] Dark matter and bounds on the reheating temperature | TAKAHASHI, Tomo |

Oral session - Tamokuteki Hall (Room B243) (14:00 - 15:30)

| time | [id] title | presenter |
|-------|---|---------------------|
| 14:00 | [55] Breit-Wigner resonance in cosmology | GRZADKOWSKI, Bohdan |
| 14:30 | [60] DM models with (pseudo)scalar mediators | KO, Pyungwon |
| 15:00 | [41] Dark matter physics, flavor physics and LHC constraints in the dark matter model with a bottom partner | Dr OMURA, Yuji |
| 15:15 | [33] Bosonic seesaw portal dark matter | ISHIDA, Hiroyuki |

Sunday, 5 March 2017

Oral session - Tamokuteki Hall (Room B243) (08:45 - 10:30)

| time | [id] title | presenter |
|-------|--|--------------------|
| 08:45 | [75] Toward the Origin of the Neutrino Mass | SUGIYAMA, Hiroaki |
| 09:15 | [78] Scale Invariant, Dark Matter and Neutrino Mass | AHRICHE, Amine |
| 09:45 | [19] Physics of right-handed neutrinos with GeV-scale masses | Dr ASAKA, Takehiko |
| 10:15 | [4] Displaced heavy neutrinos from Higgs decay in abelian extensions of the Standard Model | DELLE ROSE, Luigi |

Oral session - Tamokuteki Hall (Room B243) (11:00 - 12:30)

| time | [id] title | presenter |
|-------|---|----------------------|
| 11:00 | [68] A consistency check for new resonance at the LHC and beyond | PARK, Seongchan |
| 11:30 | [80] Electroweak production of multiple scalars in the two-Higgs doublet model | ENBERG, Rikard |
| 12:00 | [22] Gravitational waves for exploring the first order phase transition with Higgs portal dark matter | Dr MATSUI, Toshinori |
| 12:15 | [18] Models of radiatively induced Quark and Lepton Masses with extra U(1) gauge symmetry | Dr NOMURA, Takaaki |

Oral session - Tamokuteki Hall (Room B243) (14:00 - 15:30)

| time | [id] title | presenter |
|-------|--|---------------------|
| 14:00 | [9] Linking LFV Higgs couplings and CP violation beyond the SM | DIAZ-CRUZ, Lorenzo |
| 14:30 | [20] Muon specific two-Higgs doublet model | Dr ABE, Tomohiro |
| 14:45 | [36] Splitting Mass Spectra and Muon g-2 in Higgs-Anomaly Mediation | Dr YOKOZAKI, Norimi |
| 15:00 | [17] $e^+e^- \rightarrow \tau^+\tau^-$ as a probe of Higgs CP property | ZHENG, Ya-Juan |
| 15:15 | [31] Production of neutral and charged Higgs bosons at the future collider ep LHeC | HERNÁNDEZ, Jaime |