

ICHEP2018 SEOUL

Thursday, July 5, 2018

Higgs Physics: 1 - 201 (9:00 AM - 10:30 AM)

-Conveners: Jae Sik Lee; Sarah Heim

| time | [id] title | presenter |
|----------|---|--------------------------|
| 9:00 AM | [M164] The latest results of the measurement of the Higgs boson decaying to bottom quarks pair at CMS | BORTIGNON, Pierluigi |
| 9:15 AM | [M136] Evidence for Higgs boson production in decays to two b-quarks using the ATLAS detector | ENARI, Yuji |
| 9:30 AM | [M145] Background study of HW production with the Higgs decaying to a b-quark pair | FEBRES CORDERO, Fernando |
| 9:45 AM | [M168] Boosted Higgs decay in a pair of light jets | QIAN, Zhuoni |
| 10:00 AM | [M130] Sensitive study of the Higgs-strange coupling at FCC-ee | SOFFER, Abi |

Higgs Physics: 2 - 201 (11:00 AM - 12:30 PM)

-Conveners: Jae Sik Lee; Sarah Heim

| time | [id] title | presenter |
|----------|---|---------------------|
| 11:00 AM | [M177] Flavor Changing Neutral Higgs Interactions with Top and Tau at Hadron Colliders | KAO, Chung |
| 11:15 AM | [M145] Higgs boson production in decays to two tau leptons using the ATLAS detector | ZINONOS, Zinonas |
| 11:30 AM | [M145] The latest results of the measurement of the Higgs boson decaying to tau lepton pairs at CMS | MOHAMMADI, Abdollah |
| 11:45 AM | [M162] Constraints on CP-violating couplings of the Higgs boson using its decay to fermions in the CMS experiment | DURIC, Senka |
| 12:00 PM | [M198] Learning from Higgs Physics at Future Higgs Factories | SU, Shufang |

Higgs Physics: 3 - 105 (2:00 PM - 4:00 PM)

-Conveners: KOJI TSUMURA; Samira Hassani

| time | [id] title | presenter |
|---------|--|----------------------------|
| 2:00 PM | [M140] Search for rare decays of the Higgs boson | LI, Haifeng |
| 2:15 PM | [M168] Searches of Higgs boson rare decays at CMS | Dr GEROSA, Raffaele Angelo |
| 2:30 PM | [M141] Searches for non-Standard Model decays to a light meson and a photon of the Higgs boson | CHISHOLM, Andrew |
| 2:45 PM | [M119] Searches for light Higgs bosons at CMS | CHOUDHURY, Somnath |
| 3:00 PM | [M142] Searches for non-Standard Model decays to two light bosons of the Higgs boson | SCHWARTZMAN, Ariel Gustavo |
| 3:15 PM | [M201] Searches for charged Higgs bosons at CMS | LAURILA, Santeri Henrikki |
| 3:30 PM | [M146] Searches for additional charged Higgs bosons in the MSSM | MIR, Lluisa-Maria |

Higgs Physics: 4 - 105 (4:30 PM - 6:30 PM)**-Conveners: KOJI TSUMURA; Samira Hassani**

| time | [id] title | presenter |
|--------|--|------------------------------|
| 4:30 P | M445] Searches for additional neutral Higgs bosons in the MSSM | TANAKA, Junichi |
| 4:45 P | M169] Searches for extended Higgs boson sectors with CMS | ASAWATANGTRAKULDEE, Chayanit |
| 5:00 P | M444] Searches for high-mass resonances | GREVTSOV, Kirill |
| 5:15 P | M125] Higgs to WW measurements with CMS | VILIANI, Lorenzo |
| 5:30 P | M434] Measurement of cross sections and properties of the Higgs boson in decays to two W bosons using the ATLAS detector | DUDA, Dominik |

Friday, July 6, 2018

Higgs Physics: 5 - 201 (9:00 AM - 10:30 AM)

-Conveners: Jae Sik Lee; Samira Hassani

| time | [id] title | presenter |
|----------|--|----------------------------|
| 9:00 AM | M163] The latest results of the measurement of the Higgs boson decaying into two photons at CMS | SCOTT , Edward John Titman |
| 9:15 AM | M132] Measurement of cross sections and properties of the Higgs boson in decays to two photons using the ATLAS detector | MIJOVIC, Liza |
| 9:30 AM | M123] Measurements of Higgs boson production and properties in the ZZ decay channel using the CMS detector | SCULAC, Toni |
| 9:45 AM | M133] Measurement of cross sections and properties of the Higgs boson in decays to four leptons using the ATLAS detector | KORTNER, Oliver |
| 10:00 AM | M128] Fiducial inclusive and differential Higgs boson cross sections at CMS | TAVOLARO, Vittorio Raoul |

Higgs Physics: BSM+HIG Joint Session 1 - 201 (11:00 AM - 12:30 PM)

-Conveners: KOJI TSUMURA; Kingman Cheung

| time | [id] title | presenter |
|----------|--|------------------------------|
| 11:00 AM | M152] Partially Composite Higgs Models | ROSENYLYST JØRGENSEN, Martin |
| 11:15 AM | M119] Light resonances from fundamental composite Higgs models: LHC and future colliders | CACCIAPAGLIA, Giacomo |
| 11:30 AM | M127] Gravitational waves from first order electroweak phase transition in models with the U(1)_X gauge symmetry | MATSUI, Toshinori |
| 11:45 AM | M152] Heavy resonances and the electroweak effective theory | ROSELL, Ignasi |
| 12:00 PM | P127] Global constraints on the dimension-6 Standard Model Effective Field Theory | EBERHARDT, Otto |

Higgs Physics: 6 - 103 (2:00 PM - 4:00 PM)

-Conveners: KOJI TSUMURA; Sarah Heim

| time | [id] title | presenter |
|---------|---|--------------------|
| 2:00 PM | M166] An Improved Model-Independent Higgs Precision Analysis | JUNG, Sunghoon |
| 2:15 PM | M134] Prospects for measuring Higgs triscalar coupling at the HL-LHC and HL-100 TeV hadron collider | Dr LU, Chih-Ting |
| 2:30 PM | M100] Deep learning approaches to the Higgs boson self coupling | PARK, Jubin |
| 2:45 PM | M178] Supervising Deep Neural Networks with Topological Augmentation in search for di-Higgs Production at the LHC | Dr CHO, Won Sang |
| 3:00 PM | M171] Searches of double Higgs boson production with CMS | MAJUMDER, Devdatta |
| 3:15 PM | M143] Search for di-Higgs production | MEHTA, Andrew |
| 3:30 PM | M177] HH production at the High-Luminosity LHC with CMS | CADAMURO, Luca |

Higgs Physics: BSM+HIG Joint Session 2 - 103 (4:30 PM - 6:30 PM)

-Conveners: **Chung Kao; Jae Sik Lee**

| time | [id] title | presenter |
|--------|---|---------------------------------------|
| 4:30 P | [M00] Phenomenology in a Zee-Babu type model with local $U(1)_{L_\mu - L_\tau}$ symmetry | NOMURA, Takaaki |
| 4:45 P | [M09] Phenomenological consequences of Higgs inflation in the NMSSM at the electroweak scale | Dr PASSEHR, Sebastian |
| 5:00 P | [M95] FlexibleSUSY: Precise automated calculations in any BSM theory | ATHRON, Peter |
| 5:15 P | [M50] Current status of Two-Higgs-Doublet models with a softly broken Z_2 symmetry | EBERHARDT, Otto |
| 5:30 P | [M36] Status of the semileptonic B decays and muon g-2 in general 2HDMs with right-handed neutrinos | Mr IGURO , Syuhei |
| 5:45 P | [M31] Status of the (p)MSSM Higgs sector | ARBEY, Alexandre |
| 6:00 P | [M46] Higgs mass from high-scale (split) supersymmetry | Dr PARK, Jae-hyeon PARK, Jae-hyeon |

Saturday, July 7, 2018

Higgs Physics: 7 - 202 (2:00 PM - 4:00 PM)

-Conveners: KOJI TSUMURA; Sarah Heim

| time | [id] title | presenter |
|--------|---|----------------------|
| 2:00 P | [M167] Measurements of ttH production at CMS | DIEZ PARDOS, Carmen |
| 2:15 P | [M137] Evidence for Higgs boson production in association with a ttbar pair | HORII, Yasuyuki |
| 2:30 P | [M141] Search for single top + Higgs production with CMS | STIEGER, Benjamin |
| 2:45 P | [M139] Measurement of the Higgs boson mass | LEIGHT, William Axel |
| 3:00 P | [M166] Measurements of the Higgs boson mass, production and decay rates and constraints on its couplings at CMS | WARDLE, Nicholas |
| 3:15 P | [M138] Measurements of Higgs boson properties using a combination of different Higgs decay channels | MORANGE, Nicolas |
| 3:30 P | [M111] Study of the Higgs couplings to leptons and Higgs CP properties at the ILC | JEANS, Daniel |

Higgs Physics: 8 - 202 (4:30 PM - 6:30 PM)

-Conveners: Samira Hassani; Jae Sik Lee

| time | [id] title | presenter |
|--------|---|-----------------------------|
| 4:30 P | [M176] Constraining Sterile Neutrinos from Precision Higgs Data | DAS, Arindam |
| 4:45 P | [M174] Prospects for Higgs Boson Measurements at the High-Luminosity LHC with CMS | BRAIBANT-GIACOMELLI, Sylvie |
| 5:00 P | [M155] Precision Higgs Measurements at the 250 GeV ILC | OGAWA, Tomohisa |
| 5:15 P | [M124] Higgs physics at CLIC | WEBER, Matthias Artur |
| 5:30 P | [M198] SM and BSM Higgs physics at the LHeC and the FCC-eh | ZHANG, Chen |
| 5:45 P | [M169] Higgs and Electroweak symmetry breaking at the FCC-hh | Dr SELVAGGI, Michele |
| 6:00 P | [M175] Higgs measurements at the Future Circular Colliders | GIACOMELLI, Paolo |