



# 25th INTERNATIONAL CONFERENCE ON SUPERSYMMETRY AND THE UNIFICATION OF FUNDAMENTAL INTERACTIONS (SUSY17)

## Monday, 11 December 2017

### Supersymmetry Phenomenology and Experiment (SUSY) - Auditorium (14:00 - 16:00)

-Conveners: Keith Ulmer

| time  | [id] title   | presenter         |
|-------|--|-------------------|
| 14:00 | [257] New Physics at HL-LHC with CMS   | JAIN, Sandhya     |
| 14:30 | [258] New Physics at HL-LHC with ATLAS   | ROSTEN, Rachel    |
| 15:00 | [259] Searches for squarks and gluinos in all-hadronic final states with ATLAS                     | NAGAI, Koichi     |
| 15:15 | [260] Searches for squarks and gluinos in final states with one or more charged leptons with ATLAS | HOLMES, Tova      |
| 15:30 | [261] Inclusive search for supersymmetry in hadronic final states at CMS                           | NORBERG, Scarlet  |
| 15:45 | [262] Search for supersymmetry in the single-lepton final state at CMS                             | SPITZBART, Daniel |

### Supersymmetry Phenomenology and Experiment (SUSY) - Auditorium (16:30 - 18:00)

-Conveners: Kajari Mazumdar

| time  | [id] title   | presenter            |
|-------|--|----------------------|
| 16:30 | [263] Searches for strong production of supersymmetry in final states with two or more leptons at CMS                              | VESTERBACKA, Leonora |
| 16:45 | [264] Searches for squarks and gluinos in scenarios with R-parity violating sparticle decays, or long- lived sparticles with ATLAS | LEE, Lawrence        |
| 17:00 | [265] Search for R-parity violating supersymmetry at CMS   | YOO, Jae Hyeok       |
| 17:15 | [266] SUSY signals from GUT's  | GOMEZ, Mario         |
| 17:30 | [267] Phenomenological Implication of Non- holomorphic Soft SUSY Breaking Interactions   | CHATTOPADHYAY, Utpal |
| 17:45 | [268] Exploring Non-Holomorphic MSSM for constraints from Charge and Color Breaking vacuum in context of Higgs@125 GeV             | DEY, Abhishek        |

# Tuesday, 12 December 2017

## Supersymmetry Phenomenology and Experiment (SUSY) - Auditorium (14:00 - 16:00)

-Conveners: Till Eifert

| time  | [id] title   | presenter                   |
|-------|--|-----------------------------|
| 14:00 | [269] Searches for direct pair production of stops and sbottoms with the ATLAS detector  | STRANDBERG, Sara            |
| 14:15 | [270] Sensitivity of the direct stop pair production analyses in phenomenological MSSM simplified models with the ATLAS detectors      | SNYDER, Ian                 |
| 14:30 | [271] Search for supersymmetric partners of 3rd generation quarks at CMS   | CORNELIS, Tom               |
| 14:45 | [272] Searches for direct pair production of stops in final states containing taus, charm quarks or H/Z bosons with the ATLAS detector | MIUCCI, Antonio             |
| 15:00 | [273] Searches for stops in scenarios with R-parity violating sparticle decays, or long-lived sparticles with ATLAS                    | UNGARO, Francesca Consiglia |
| 15:15 | [274] Search for supersymmetry in boosted topologies at CMS  | KURZ, Simon                 |
| 15:30 | [275] 2-, 3-, and 4-body stop decays with gravitino LSP  | DIAZ-CRUZ, Lorenzo          |
| 15:45 | [276] Latest constraints on SUSY parameter space from MasterCode   | FLAECHER, Henning           |

## Supersymmetry Phenomenology and Experiment (SUSY) - AG-69 (16:30 - 18:00)

-Conveners: Michihisa Takeuchi

| time  | [id] title   | presenter               |
|-------|--|-------------------------|
| 16:30 | [277] Resonant slepton production and right sneutrino dark matter in left-right supersymmetry                              | RAI, Santosh Kumar      |
| 16:45 | [278] Use of soft tracks in compressed SUSY  | CHAKRABORTY, Sabyasachi |
| 17:00 | [279] Disappearing Track Searches at the LHC and Future Colliders  | FUKUDA, Hajime          |
| 17:15 | [333] Analyzing signals of compressed spectra in SUSY  | DUTTA, JUHI             |
| 17:30 | [280] Prompt Signals and Displaced Vertices in Sparticle Searches for Next-to-Minimal Gauge Mediated Supersymmetric Models | DESAI, Nishita          |

# Thursday, 14 December 2017

## Supersymmetry Phenomenology and Experiment (SUSY) - Auditorium (14:00 - 16:00)

-Conveners: Seema Sharma

| time  | [id] title  | presenter             |
|-------|---|-----------------------|
| 14:00 | [281] Reconstruction techniques in supersymmetry searches in the ATLAS experiment                             | ONOJI, KOUTA          |
| 14:15 | [282] Alternative angular variables for QCD multijet background event suppression in SUSY searches at the LHC | SAKUMA, Tai           |
| 14:30 | [283] Search for compressed SUSY scenarios with the ATLAS detector  | REICHERT, Joseph      |
| 14:45 | [284] Search for supersymmetry with compressed mass spectra at CMS  | RAD, Navid            |
| 15:00 | [285] Search for supersymmetric partners of neutral Higgs bosons at CMS                                       | KIRSCHENMANN, Henning |
| 15:15 | [286] Demystifying compressed top squark region with kinematic variables                                      | SWAIN, Abhaya Kumar   |
| 15:30 | [287] Searches for gauge mediated symmetry breaking signatures  | MANN, Alexander       |
| 15:45 | [288] Search for supersymmetry with photons at CMS  | HEGDE, Vinay          |

## Supersymmetry Phenomenology and Experiment (SUSY) - Auditorium (16:30 - 18:00)

-Conveners: Mario Gomez

| time  | [id] title   | presenter               |
|-------|--|-------------------------|
| 16:30 | [289] Searches for electroweak production of supersymmetric gauginos and sleptons with the ATLAS detector                      | SANDER, Christian       |
| 16:45 | [290] Search for electroweak production of SUSY particles in CMS experiment at LHC   | THOMAS, Laurent         |
| 17:00 | [291] Search for sleptons and charginos at CMS   | BABOUNIKAU, Illia       |
| 17:15 | [292] Looking for heavier electroweakinos at LHC   | GANGULY, Nabanita       |
| 17:30 | [293] Aspects of the same-sign diboson signature from wino pair production in SUSY with light higgsinos at high luminosity LHC | SENGUPTA, Dibyashree    |
| 17:45 | [332] Viable framework of D-type SUSY breaking   | CHAKRABORTY, Sabyasachi |