

Session Program

10-14 Jun 2024



SUSY24: The 31st International Conference on Supersymmetry and Unification of Fundamental Interactions

SUSY, Phenomenology and Experiment

IFT (Madrid, Spain)

Instituto de Física Teórica / Institute of Theoretical Physics (Madrid, Spain) website: <https://www.ift.uam-csic.es/en>

Monday 10 June

15:05

SUSY, Phenomenology and Experiment

Session | **Location:** Sala Roja

15:05–15:25

Searches for electroweak production of supersymmetric particles with the ATLAS detector

Speaker

Alessandro Sala

15:25–15:45

Recent searches for electroweak production of SUSY particles and 3rd generation SUSY particles with CMS

Speaker

Pablo Martinez Ruiz Del Arbol

15:45–16:05

Searches for strong production of supersymmetric particles in ATLAS

Speaker

Edmund Xiang Lin Ting

16:05–16:25

The rise and fall of light stops in the LHC top quark sample

Speaker

Emanuele Angelo Bagnaschi

16:25–16:45

Machine-Learning Collider Analysis of Radiative Neutralino Decays at the LHC

Speaker

Dr Rosa María Sandá Seoane

16:45

17:10

SUSY, Phenomenology and Experiment

Session | **Location:** Sala Roja

17:10–17:30

An alternative form of supersymmetry with reduced cross-sections and modified experimental signatures

Speaker

Roland Allen

17:30–17:50

Weak scale supersymmetry emergent from the string landscape

Speaker

Howard Baer

17:50–18:10

Squark production with R-symmetry beyond NLO at the LHC

Speaker

Fausto Frisenna

18:10–18:30

Split-SUSY on the finite trinification model

Speaker

Luis Enrique Reyes Rodríguez

18:30–18:50

Implications of string landscape for LHC SUSY searches

Speaker

Howard Baer

18:50

Tuesday 11 June

15:05

SUSY, Phenomenology and Experiment

Session | **Location:** Sala Roja

15:05–15:25

New GAMBIT fits of the MSSM electroweakino sector

Speaker

Anders Kvellestad

15:25–15:45

Seeking a coherent explanation of LHC excesses for compressed spectra

Speaker

Taylor Murphy

15:45–16:05

Consistent excesses in the search for $\tilde{\chi}_2^0 \rightarrow \tilde{\chi}_1^0 \gamma$: MSSM implications

Speakers

Manimala Chakraborti, Sven Heinemeyer

16:05–16:25

Dark Matter searches with photons at the LHC

Speaker

Dr Subhojit Roy

16:25–16:45

Combination and Reinterpretation of LHC SUSY Searches

Speaker

Alexander Feike

16:45

Thursday 13 June

15:05

SUSY, Phenomenology and Experiment

Session | **Location:** Sala Roja

15:05–15:25

Stealth and RPV SUSY searches with CMS

Speaker

Anton Stepennov

15:25–15:45

Recent results on long-lived particles in ATLAS

Speaker

Dr Vasiliki Mitsou

15:45–16:05

Searches for supersymmetry in non-minimal models in ATLAS

Speaker

Yvonne Ng

16:05–16:25

General Searches for Compressed SUSY

Speaker

Andres Abreu

16:25–16:45

Search for electroweak supersymmetry with compressed spectra at ATLAS

Speaker

Jeff Shahinian

16:45

17:10

SUSY, Phenomenology and Experiment

Session | **Location:** Sala Roja

17:10–17:30

Bilinear R-parity violating supersymmetry under the light of neutrino oscillation, higgs and flavor data

Speaker

Ms ARPITA MONDAL

17:30–17:50

A Novel Proton Decay Signature at DUNE, JUNO, and Hyper-K

Speaker

Herbi Dreiner

17:50–18:10

Unveiling E_{6} SSM Exotic Colored Scalars at the LHC

Speaker

Murad Ali

18:10–18:30

Light Higgs Bosons in Mono-Photon Events

Speaker

Cem Salih Un

18:50

Friday 14 June

10:00

SUSY, Phenomenology and Experiment

Session | **Location:** Sala Roja

10:00–10:20

Top squarks from the landscape at high luminosity LHC

Speaker

KAIRUI ZHANG

10:20–10:40

SUSY particle production at a high-energy muon collider

Speaker

Tao Han

10:40–11:00

Indirect Probe of Electroweak-Interacting Particles at μ TRISTAN $\mu^+\mu^-$ Collider

Speaker

Risshin Okabe

11:40