

SUSY 2023



Local Organising Committee

Alexander Belyaev
Pasquale Di Bari
Bowen Fu
Stephen King (co-chair)
Stefano Moretti (co-chair)
Giovanna Salvi
Kostas Skenderis
Nakorn Thongyai

<https://indi.to/susy2023>

Monday, 17 July 2023 - Friday, 21 July 2023

University of Southampton Highfield Campus

Scientific Programme

The scope of the conference covers the following topics:

Plenary

SUSY: Phenomenology and Experiment

Supersymmetry: Models, Phenomenology and Experimental Results
Searches for the BSM Physics at the LHC and Future Hadronic Colliders
New Tools in New Physics Searches
Lepton Colliders

Higgs theory and experiment

Electroweak, Top quark, and Higgs Physics

SUSY and String models

Split SUSY and High-Scale SUSY
Grand Unified Theories
Formal SUSY Theories
New Developments in String Theory
New Developments in Quantum Field Theory

Particle cosmology: Theory and Experiment

Early Universe Cosmology
Dark Matter and Astroparticle Physics
Gravitational Waves as Probes for New Physics

Flavour physics: Theory and Experiment

Flavor Physics and CP Violation
Neutrino Physics and Leptons

Alternative theories to SUSY

Axion Physics and Experiments
Theories of New Strong Dynamics

Supergravity and cosmology

Models of dark energy and inflation
Swampland and quantum gravity conjectures
Aspects of supersymmetry breaking and formal supergravity