

Session Program

Jul 17 - 21, 2023



SUSY 2023

Alternative theories to SUSY

University of Southampton Highfield Campus, Building 100, Highfield Campus
Website : <https://www.southampton.ac.uk/student-life/campuses/highfield>

Mon, July 17

4:00 PM

Alternative theories to SUSY

Session | Location: B46/3001

4:00 - 4:20 PM **Direct Bounds on Left-Right Gauge Boson Masses at LHC Run 2**

Speaker

Sergio Ferrando Solera

4:20 - 4:40 PM **Exploring New Physics Signatures in an Alternative Left-Right Model**

Speaker

Dr Supriya Senapati

4:40 - 5:00 PM **Searches for new physics with leptons using the ATLAS detector**

Speaker

Tracey Berry

5:00 - 5:20 PM **Radiative inverse and linear seesaw models**

Speaker

Antonio Enrique Cárcamo Hernández

5:20 PM

5:40 PM

Alternative theories to SUSY

Session | Location: B46/3001

5:40 - 6:00 PM

Searches for new phenomena in final states with 3rd generation quarks using the ATLAS detector

Speaker

Philipp Gadov

6:00 - 6:20 PM **Third-generation-philic Naturalness**

Speaker

Yi Chung

6:20 - 6:40 PM **On the coupling of axion-like particles to the top quark**

Speaker

Fabian Esser

6:40 - 7:00 PM

Higher order corrections to $t\bar{t}\gamma$ cross sections in the SM and Beyond

Speaker

Dr Alberto Tonerò

7:00 PM

Tue, July 18

4:00 PM

Alternative theories to SUSY

Session | Location: B46/3001

4:00 - 4:20 PM

Gravitational instantons, strong CP problem and its companion axion solution

Speaker

Prof. Archil Kobakhidze

4:20 - 4:40 PM

Constraints on ultralight scalars and axions using atomic clocks

Speaker

Nathaniel Sherrill

4:40 - 5:00 PM

Electroweak precision test of axion-like particles

Speaker

Dr Masashi Aiko

5:00 - 5:20 PM

Gravitational Positivity Bounds on Dark Sector

Speaker

Satoshi Shirai

5:20 PM

5:40 PM

Alternative theories to SUSY

Session | Location: B46/3001

5:40 - 6:00 PM .

6:00 - 6:20 PM .

6:20 - 6:40 PM .

6:40 - 7:00 PM .

7:00 PM

Fri, July 21

2:00 PM

Alternative theories to SUSY

Session | Location: B46/3001

2:00 - 2:20 PM Models of partial compositeness in four dimensions

Speaker

Gabriele Ferretti

2:20 - 2:40 PM

Vacuum misalignment and vector-like quarks in composite Higgs models

Speaker

Dr Avik Banerjee

2:40 - 3:00 PM

Accidentally light scalar fields from large representations

Speaker

Felix Brummer

3:00 - 3:20 PM

Probing for light new particles with the LUXE experiment

Speaker

Arka Santra

3:20 - 3:40 PM

A vector-like top quark portal to a minimal non-Abelian vector dark matter

Speaker

Nakorn Thongyoi

3:40 - 4:00 PM

Radiative neutrino masses

Speaker

Dr Antonio Enrique Cárcamo Hernández

4:00 PM