

Session Program

27 June 2022 to 2 July 2022



The XXIX International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2022)

Flavour physics: Theory and Experiment

University of Ioannina (GR), Conference Centre "Karolos Papoulias"

Monday 27 June

16:00

Flavour physics: Theory and Experiment

Session | **Location:** Conference Centre "Karolos Papoulias", Main Auditorium | **Convener:** Tobias Felkl

16:00–16:20

First Results from MicroBooNE's Low Energy Excess Search and Constraints on eV-Scale Sterile Neutrino Oscillations

Speaker

Andrew Mogan

16:20–16:40

Recent Beyond-the-Standard-Model results and prospects from MicroBooNE

Speaker

Pawel Guzowski

16:40–17:00

Probing the L_μ - L_τ Gauge Boson at the MUonE Experiment

Speaker

Juntaro Wada

17:00–17:20

Assessment of the Dimension-5 Seesaw Portal and Impact on Non-Pointing Photon Searches from Exotic Higgs Decays

Speaker

Dr Joel Jones-Perez

17:20–17:40

Searching for Proton Decay in JUNO

Speaker

Ulrike Fehrendholz

17:40–18:00

The role of JUNO in leptonic unitarity test

Speaker

Dr Andrea Serafini

18:00–18:20

A closer look at the extraction of $|V_{ub}|$ from $B \rightarrow \pi l \nu$.

Speaker

IPSITA RAY

18:20–18:40

Explaining lepton-flavor non-universality and self-interacting dark matter with L_μ - L_τ

Speaker

Julian Heeck

18:40–19:00

Phenomenology of LNV in SMEFT at dimension 7

Speaker

Kare Fridell

19:00-19:20

Anapole Moment of Majorana Fermions and Implications for Direct Detection of Neutralino Dark Matter

Speaker

Merlin Reichard

19:20

Tuesday 28 June

16:00

Flavour physics: Theory and Experiment

Session | **Location:** Conference Centre "Karolos Papoulias", Main Auditorium | **Convener:** Janusz Andrzej Rosiek

16:00–16:20

ATLAS measurements of CP violation and rare decay processes with beauty mesons

Speaker

Lukas Novotny

16:20–16:40

Seesaw mechanism in the R-parity violating supersymmetric standard model with the gauged flavor $U(1)_X$ symmetry

Speaker

Mr Atsushi Hinata

16:40–17:00

A Tale of Flavor Anomalies and the Origin of Neutrino Mass

Speaker

Anil Thapa

17:00–17:20

Predictions for flavorful Z' searches from asymptotic safety

Speaker

Daniele Rizzo

17:20–17:40

Grand Unified Origin of Gauge Interactions and Families Replication

Speaker

Roman Pasechnik

17:40–18:00

Muon $g-2$ and lepton flavor violation in SUSY-GUT theories.

Speaker

Mario E. Gomez

18:00–18:20

Flavour Anomalies Meet Flavour Symmetry

Speaker

Tobias Felkl

18:20–19:00

session end

19:00