

Session Program

19-21 May 2025



Phenomenology 2025 Symposium

Flavor

University of Pittsburgh

Monday 19 May

14:15

Flavor: Recent Developments

Session | **Location:** David Lawrence Hall 203, University of Pittsburgh

14:15–14:30

Exploring the truth and beauty of theory landscapes with machine learning

Speaker

Konstantin Matchev

14:30–14:45

Autonomous Model Building Neutrino Flavor Theories with Reinforcement Learning

Speaker

Victoria Knapp Perez

14:45–15:00

Jet cross-section and sub-structure measurements in ATLAS

Speaker

Yuzhan Zhao

15:00–15:15

Recent heavy flavour results from ATLAS

Speaker

Ioannis Michail Maniatis

15:15–15:30

Probing new physics with dedicated data streams at CMS

Speaker

Ali Eren Simsek

15:30–15:45

Anomalies in Hadronic B decays: an Update

Speaker

Marianne Bouchard

15:45–16:00

Electron EDM and $\Gamma(\mu \rightarrow e\gamma)$ in the 2HDM

Speaker

Daniil Volkov

16:00

16:30

Flavor: Precision

Session | **Location:** David Lawrence Hall 203, University of Pittsburgh

16:30–16:45

Towards an NNNLO prediction of indirect CP violation in kaon decays

Speaker

Joachim Brod

16:45–17:00

Radiative correction to $B \rightarrow \ell \ell \nu$

Speaker

Max Ferré

17:00–17:15

Measurements of τ decays at Belle and Belle II

Speaker

Prof. Vladimir Savinov

17:15–17:30

The Quark-Lepton Portal**Speaker**

Katherine Schwind

17:30–17:45

SU(3)-flavour symmetry breaking in $B \rightarrow DP$ decays.**Speaker**

Rida Boumriss

17:45–18:00

Spin and symmetry properties of all-charm tetraquarks**Speaker**

Zhiyuan Huang

18:00–18:15

Systematic Study of U-spin Amplitude Sum Rules Predictions for Physical Observables**Speaker**

Guglielmo Papiri

18:15–18:30

High Quality Axion from Gauged Flavor Symmetry**Speaker**

Sai Charan Chandrasekar

18:30

Tuesday 20 May

16:30

Flavor: Model Building, Anomalies

Session | **Location:** David Lawrence Hall 205, University of Pittsburgh

16:30–16:45

Proton decay into light new particles

Speaker

Julian Heeck

16:45–17:00

Baryon number violation through derivative operators

Speaker

Diana Sokhashvili

17:00–17:15

Exploring Low-Scale Quark-Lepton Unification

Speaker

Sumit Biswas

17:15–17:30

New Physics from Light Scalars from Rare Kaon Decay

Speaker

Rahul Pradeep

17:30–17:45

Probing New Physics through Right-Handed Neutrinos in Semileptonic \bar{B} Decays

Speaker

Kumar Pandey

17:45–18:00

Charged Lepton Flavor Violation in a Lepton Flavor Portal Matter Model

Speaker

RICARDO ALEXANDRE DOS SANTOS XIMENES FILHO

18:00–18:15

Cabibbo-Kobayashi-Maskawa matrix related measurements at Belle and Belle II

Speaker

Kimika Arai

18:15–18:30

Uncovering Hidden Symmetries in 4HDM: New Tools and Classifications

Speaker

Jiazhen(Jan) Shao

18:30