Session Program

13-17 May 2024

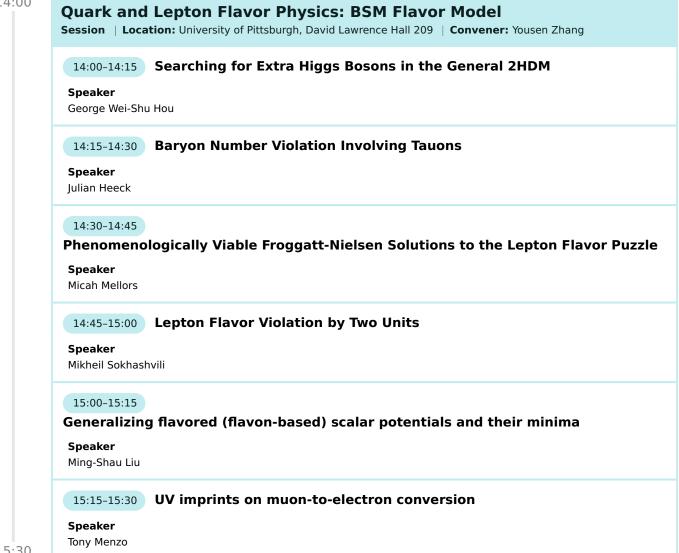
DPF-PHENO 2024

DPF - PHENO 2024 Quark and Lepton Flavor Physics

University of Pittsburgh / Carnegie Mellon University

Monday 13 May

14:00



15:30

Tuesday 14 May

16:00

Quark and Lepton Flavor Physics: Techniques and Algorithms

Session | Location: University of Pittsburgh, David Lawrence Hall 104 | Convener: Gianantonio Pezzullo

16:00-16:15

Measurement of beam polarization at an \$e^+e^-\$ \$B\$-Factory with a new tau polarimetry technique

Speaker

Swagato Banerjee

16:15-16:30 Precession frequency analysis at Fermilab Muon g-2 Experiment

Speaker

Murong Cheng

16:30-16:45

Development of a Track-Trigger for Measuring the Antiproton Annihilation Cross-Section in the Mu2e Experiment at Fermilab

Speaker

Ethan Martinez

16:45-17:00

Performance of heavy-flavour jet identification algorithms in boosted topologies at the CMS experiment

Speaker

Matej Roguljic

17:00-17:15 Beyond Kinematics for Optimal Hadronic Top Quark Polarimetry I

Speaker

Alberto Navarro

17:15-17:30 Beyond Kinematics for Optimal Hadronic Top Quark Polarimetry II

Speaker

Zhongtian Dong

17:30

Wednesday 15 May

14:00 **Quark and Lepton Flavor Physics: B decays** Session | Location: University of Pittsburgh, David Lawrence Hall 104 | Convener: Joachim Brod 14:00-14:15 Dark photon and dark Z mediated B meson decays Speaker Ahmed Rashed 14:15-14:30 An axion-like particle explanation of \$B\to \pi K\$ puzzle and \$B \to K \nu \bar{\nu} \$ excess **Speaker** Shibasis Roy 14:30-14:45 Dark and Heavy New Physics in \$b \rightarrow s\nu \nu\$ decays Speaker Aditya Gadam 14:45-15:00 Anomalies in Hadronic B Decays Speaker Alexandre Jean 15:00-15:15 Tests of Lepton Flavor Universality in tree-level B Meson Decays at LHCb Speaker Alex Daniel Fernez 15:15-15:30 15:30 16:00 Quark and Lepton Flavor Physics: Anomalies and Top Physics Session | Location: University of Pittsburgh, David Lawrence Hall 104 | Convener: Xing Wang 16:00-16:15 Higher-order corrections for ttW production Speaker Nikolaos Kidonakis 16:15-16:30 Entanglement of top quarks Speaker Andreas Werner Jung 16:30-16:45 Is the Charm Heavy? Speaker Margarita Gavrilova 16:45-17:00 Measurement of top quark's charge asymmetry in boosted lepton+jets decays

and EFT interpretation using Run2 CMS data

	Speaker Ricardo Escobar Franco
	17:00-17:15 CP violation in tau decay into Kaons Speaker Guglielmo Papiri
	17:15-17:30 Revisiting \$\theta\$-induced neutron EDM in QCD sum rule
17:30	Speaker Ting Gao