

Session Program

26 July 2026 to 1 August 2026



The 43rd International Symposium on Lattice Field Theory (Lattice 2026)

Quark and lepton flavor physics

University of Maryland, College Park
Adele H. Stamp Student Union 3972 Campus Dr College Park, MD 20742, United States

Monday 27 July

14:00

Quark and lepton flavor physics

Session | **Location:** Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 | **Convener:** Andre Walker-Loud

14:00–14:20 **The Muon g-2 HVP contribution from the BMW/DMZ collaboration**

Speaker
Balint Toth

14:20–14:40

Towards the smeared R-ratio with $N_f=2+1+1$ highly improved staggered quarks

Speaker
Matteo Saccardi

14:40–15:00

Nevanlinna-Pick interpolation from uncertain Euclidean correlation functions

Speaker
Sarah Fields

15:00–15:20 **Bootstrapping spectral functions**

Speaker
Ryan Abbott

15:20–15:40 **Kernel transformations for smeared spectral functions**

Speaker
William Jay

15:40

16:10

Quark and lepton flavor physics

Session | **Location:** Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 | **Convener:** Davide Giusti

16:10–16:30 **Aspects of a high-precision DWF physics program**

Speaker
Christoph Lehner

16:30–16:50

Towards the next continuum limit of ϵ : Non-perturbative renormalization and contraction software optimization

Speaker
Jonas Hildebrand

16:50–17:10

Recent progress on $K \rightarrow \pi\pi$ calculation on multiple lattice ensembles

Speaker
Masaaki Tomii

17:10–17:30

Calculation of Isospin Breaking Corrections to the HVP from RBC/UKQCD

17:30

Speaker
Julian Parrino

Tuesday 28 July

14:00

Quark and lepton flavor physics

Session | **Location:** Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 | **Convener:** Prof. Stefan Meinel

14:00–14:20

Determination of SU(3) Chiral Perturbation Theory LECs from $N_f = 2 + 1 + 1$ HISQ Ensembles

Speaker

Ramón Merino

14:20–14:40

Kaon semileptonic form factor using $N_f=2+1+1$ PACS10 c configurations

Speaker

Takeshi Yamazaki

14:40–15:00

Radiative decay of the Kaon into four leptons

Speaker

Francesco Sanfilippo

15:00–15:20

Four flavors of MDWF

Speaker

Andre Walker-Loud

15:20–15:40

$F_{\{K\}}/F_{\{\pi\}}$ and $F_{\{D_{\{s\}}\}}/F_{\{D\}}$ from four flavor Möbius Domain Wall Fermions

Speaker

Zack Hall

15:40

16:10

Quark and lepton flavor physics

Session | **Location:** Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 | **Convener:** Luka Leskovec

16:10–16:30

Renormalizing the two-photon contribution to $K \rightarrow \mu^+ \mu^-$ I

Speaker

Norman Christ

16:30–16:50

Renormalizing the two-photon contribution to $K \rightarrow \mu^+ \mu^-$ II

Speaker

Ceran Hu

16:50–17:10

Finite-volume effects to hadronic observables in lattice QCD+QED

Speaker

Davide Giusti

17:10–17:30

Finite-volume effects in the factorizable contributions to light-meson leptonic decay rates in QCD+QED

17:30

Speaker

Alessandro Cotellucci

Wednesday 29 July

09:00

Quark and lepton flavor physics

Session | **Location:** Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 |
Convener: Balint Toth

09:00–09:20

Hadronic vacuum polarization contribution to the tau anomalous magnetic moment

Speaker

Alessandro Conigli

09:20–09:40

Beyond the leading-order hadronic vacuum polarization contribution to the muon $g-2$

Speaker

Arnau Beltran

09:40–10:00

Isospin-breaking corrections for muon $g-2$ hadronic vacuum polarization

Speaker

Ethan Neil

10:00–10:20

Toward a complete sub-percent lattice determination of the muon $g-2$: Update from Fermilab Lattice, HPQCD and MILC

Speaker

Shaun Lahert

10:20–10:40

Towards hadronic light-by-light contribution to the muon $g-2$ with C^* boundary conditions

Speaker

Khai Phan

10:40

11:10

Quark and lepton flavor physics

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Convener: Ethan Neil

11:10–11:30

The isospin violating part of the HVP

Speaker

Dominik Erb

11:30–11:50

Improved calculational setup for isospin-breaking corrections to the HVP contribution to $g-2$

Speaker

Sebastian Lahrtz

11:50-12:10

Strong isospin breaking: comparing $N_{\text{f}}=1+1+1$ simulations and the RM123 method**Speaker**

David Albanea

12:10-12:30

ETMC calculation of a_{μ}^{HVP} in isospin-symmetric QCD**Speaker**

marco garofalo

12:30

Thursday 30 July

14:00

Quark and lepton flavor physics

Session | **Location:** Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 | **Convener:** Masaaki Tomii

14:00–14:20

Comparing single-hadron and multi-hadron treatments of a narrow ρ in $B \rightarrow \rho \ell \bar{\nu}$

Speaker

Luka Leskovec

14:20–14:40

$B_s \rightarrow K \ell \nu$ semileptonic form factors from lattice QCD with domain-wall heavy quarks

Speaker

Junya Tokoro

14:40–15:00

Update on $B_s \rightarrow K \ell \nu$ and $B \rightarrow \pi \ell \nu$ semileptonic decay form factors from the ALPHA Collaboration

Speaker

Antonino D'anna

15:00–15:20

$B \rightarrow \pi \ell \nu$ from lattice QCD using $n_f=2+1+1$ HISQ

Speaker

Nicholas Cassar

15:20–15:40

Progress on bottom-baryon decay form factors from lattice QCD

Speaker

Prof. Stefan Meinel

15:40

16:10

Quark and lepton flavor physics

Session | **Location:** Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 | **Convener:** Oliver Witzel

16:10–16:30

Gauge-invariant renormalization of $\Delta F=1$ four-quark operators

Speaker

Dr Gregoris Spanoudes

16:30–16:50

Continuum and chiral extrapolations in the lattice calculation of inclusive D_s -meson semileptonic decays

Speaker

Ryan Kellermann

16:50–17:10

Precision determination of B_c and B_c^* meson decay constants from lattice QCD

Speaker

Navdeep Singh Dhindsa

17:10–17:30

 $B_{(s)} \rightarrow D_{(s)} \ell \bar{\nu}_s$ with Highly Improved Staggered Quarks**Speaker**

Akhil Chauhan

17:30

Friday 31 July

16:10

Quark and lepton flavor physics

Session | Location: Adele H. Stamp Student Union, Pyon Su, 3972 Campus Dr, College Park, MD 20742 |
Convener: William Jay

16:10-16:30

Leveraging Existing HISQ Eigenvectors for Improved Statistical Precision in the HVP Contribution to muon g-2

Speaker

Vaishakhi Moningi

16:30-16:50

Isospin-breaking effects in inclusive hadronic tau data for the muon (g-2)

Speaker

Mattia Bruno

16:50-17:10

The smeared R-ratio in isospin symmetric QCD from first-principles lattice simulations

Speaker

Francesca Margari

17:10-17:30

Inclusive $\bar{B}_s \rightarrow X_{\bar{s}c} \ell \bar{\nu}$ decay from lattice QCD

Speaker

Alessandro De Santis

17:30-17:50

Gradient flow and heavy-light physics

Speaker

Oliver Witzel

17:50