

Session Program

3-10 Aug 2016



38th INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS

AUGUST 3 - 10, 2016
CHICAGO

ICHEP 2016 Chicago

Quark and Lepton Flavor Physics

Chicago IL USA
Sheraton Grand Chicago 301 East Water Street Chicago IL 60611 USA

Thursday 4 August

09:00

Quark and Lepton Flavor Physics: 1

Session | **Location:** Superior A, Sheraton Grand Chicago 301 East Water Street Chicago IL 60611 USA | **Convener:** Diego Milanes Carreno

09:00–09:20 **CP asymmetries in D^0 decays to two pseudoscalars (15' + 5')**

Speakers

Ulrich Nierste, Ulrich Nierste, Ulrich Nierste

09:20–09:35 **Mixing and CP violation in charm decays at LHCb (10' + 5')**

Speaker

Adam Davis

09:35–09:50

Recent BABAR results on mixing and CP violation in the charm sector. (10' + 5')

Speaker

Alessandro Pilloni

09:50–10:05

Search for CP violation in D^0 decays to radiative and hadronic decays (10' + 5')

Speaker

Nibedita Dash

10:05–10:25

CP Asymmetries in Many-Body Final in Beauty & Charm Transitions (15' + 5')

Speaker

Ikaros Bigi

10:25–10:40

$D^0\bar{D}^0$ -bar mixing and hadronic D decays at BESIII (10' + 5')

Speaker

Xiao-Rui Lyu

10:40–11:00

Standard Model Prediction for Direct CP-violation in K-decays, and Long-Distance Contributions to Kaonic Amplitudes (15' + 5')

Speaker

Christopher Kelly

11:00

11:30

Quark and Lepton Flavor Physics: 2

Session | **Location:** Superior A | **Convener:** Diego Milanes Carreno

11:30–11:45 **Dalitz analysis of charmless b-hadron decays at LHCb (10' + 5')**

Speaker

Louis Henry

11:45–12:00

Recent results on charmless B^0 and B^0_s decays from Belle (10' + 5')

Speaker

Kamal Jyoti Nath

12:00-12:15

Charmless two-body b-meson decays at LHCb (10' + 5')**Speaker**

Maria Vieites Diaz

12:15-12:30

Recent Heavy Flavor results from D0 (10' + 5')**Speaker**

Iain Bertram

12:30-12:45

CP violation measurements in B^0 to $D^{(*)0}$ CP h0 decays with BaBar+Belle joint analysis approach (10' + 5')**Speaker**

Markus Roehrken

12:45-13:05

CP violation in hadronic tau decays (15' + 5')**Speaker**

Ina Lorenz

13:05-13:25

Vus from tau decay data (15' + 5')**Speaker**

Kim Maltman

13:30

17:00

Quark and Lepton Flavor Physics: 3**Session** | **Location:** Superior A | **Convener:** Bradley Lee Roberts

17:00-17:20

Correlating new physics signals in flavor physics and possible impact for collider experiments (15' + 5')**Speaker**

Amarjit Soni

17:20-17:45

The Muon g-2 Experiment at Fermilab (20' + 5')**Speaker**

Chris Polly

17:45-18:05

Computing Hadronic Light by Light Contributions to Muon g-2 on Lattice with Physical Pions (15' + 5')**Speaker**

Luchang Jin

18:05-18:20

Measurement of hadronic cross-sections with CMD-3 at VEPP-2000 (10' + 5')**Speaker**

Dr Ivan Logashenko

18:20-18:40

A precise first-principles computation of the hadronic vacuum polarization contribution to the muon anomalous magnetic moment (15' + 5')

Speaker

Christoph Lehner

18:40–19:00

Lattice calculation of the HVP contribution to the anomalous magnetic moment of muon ($15' + 5'$)

Speaker

bipasha chakraborty

19:00

Friday 5 August

09:00

Quark and Lepton Flavor Physics: 4

Session | **Location:** Superior A | **Convener:** Bradley Lee Roberts

09:00–09:20

Lepton Flavor Violation in B decays (15' + 5')

Speaker

Diego Guadagnoli

09:20–09:40

Direct probes of flavor-changing neutral currents in e^+e^- collisions (15' + 5')

Speaker

Alexey Petrov

09:40–09:55

The Mu2e experiment at Fermilab (10' + 5')

Speaker

Bertrand Echenard

09:55–10:10

Search for Muon to Electron Conversion at J-PARC - COMET Experiment - (10' + 5')

Speaker

Myeongjae Lee

10:10–10:25

The MEG experiment result and the MEG II status (10' + 5')

Speaker

Luca Galli

10:25–10:40

The Mu3e Experiment at PSI (10' + 5')

Speaker

Sandro Bravar

10:40–11:00

Lepton flavor (universality) violation in rare kaon decays (15' + 5')

Speaker

LEWIS TUNSTALL

11:00

11:30

Quark and Lepton Flavor Physics: 5

Session | **Location:** Superior A | **Convener:** Bradley Lee Roberts

11:30–11:50

Updates from UFit on the Unitarity Triangle and D mixing analyses (15' + 5')

Speaker

Marcella Bona

11:50–12:05

LHCb results on CP violation in $B_{0\{d/s\}}$ mixing and in the interference with decays (10' + 5')

Speaker

Paul Seyfert

12:05-12:20

Studies of the CKM matrix with semileptonic b-hadron decays at LHCb (10' + 5')**Speaker**

Slavomira Stefkova

12:20-12:35

Semileptonic $B_{(s)}$ decays to charmless final-states and determination of the CKM element $|V_{ub}|$ (10' + 5')**Speaker**

Cesar Beleno

12:35-12:55

Non-perturbative determinations of B-meson decay constants and semi-leptonic form factors (15' + 5')**Speaker**

Oliver Witzel

12:55-13:10

Leptonic and semileptonic D decays at BESIII (10' + 5')**Speaker**

Ronald Poling

13:10-13:30

Grand unification and CP violation (15' + 5')**Speaker**

Prof. Jihn E. Kim

13:30

14:30

Quark and Lepton Flavor Physics: 6**Session** | **Location:** Superior A | **Convener:** Aida El-Khadra

14:30-14:45

Physics potential and prospects at SuperKEKB/Belle II (10' + 5')**Speaker**

Bryan FULSOM

14:45-15:05

Neutral $B_{(s)}$ -mixing matrix elements from lattice QCD for the Standard Model and beyond (15' + 5')**Speaker**

Ruth Van de Water

15:05-15:20

Mixing and CP-violation in the Bd and Bs systems at ATLAS (10' + 5')**Speaker**

Andrew Mark Wharton

15:20-15:40

Direct CP violation in $K \rightarrow \pi \pi$ decays and supersymmetry (15' + 5')**Speaker**

Ulrich Nierste

15:40-16:00

Current status of ϵ_K in lattice QCD (15' + 5')**Speaker**

Weonjong Lee

16:00-16:15

Measurement of the CKM angle γ at LHCb (10' + 5')

Speaker

Sneha Sirirshkumar Malde

16:15–16:30

Prospects for the determination of the CKM angle γ from Dalitz plot analysis of $B^{+-} \rightarrow D K^{\pm} \pi^0$ decays (10' + 5')**Speaker**

Timothy Gershon

16:30

17:00

Quark and Lepton Flavor Physics: 7**Session** | **Location:** Superior A | **Convener:** Aida El-Khadra

17:00–17:15

Search for new physics with semileptonic b -hadron decays at LHCb (10' + 5')**Speaker**

Suzanne Klaver

17:15–17:35

Exclusive determinations of $|V_{cb}|$ and $|V_{ub}|$ from unquenched lattice-QCD calculations (15' + 5')**Speaker**

Mr Ran Zhou

17:35–17:50

Tree-level New Physics searches in semileptonic B decays at Belle (10' + 5')**Speaker**

Yutaro Sato

17:50–18:10

Semileptonic decays to excited charmed mesons in the Standard Model and the type II 2HDM (15' + 5')**Speaker**

Florian Urs Bernlochner

18:10–18:25

Measurement of the $B^0 \rightarrow D^{*-} \pi^+ \pi^- \pi^+$ decay branching fraction (10' + 5')**Speaker**

Alberto Lusiani

18:25–18:45

Flavor physics with Λ_b baryons (15' + 5')**Speaker**

Prof. Stefan Meinel

18:45–19:00

Precision τ measurements from Belle and lepton-flavor-violating τ decay prospects at SuperKEKB/Belle II (10' + 5')**Speaker**

Kenji Inami

19:00

Saturday 6 August

14:00

Quark and Lepton Flavor Physics: 8

Session | **Location:** Superior A | **Convener:** Phillip Urquijo

14:00–14:15

Measurements of electroweak penguin and leptonic $B_{(s)}$ decays at Belle (10' + 5')

Speaker

Felicitas Breibeck

14:15–14:35

B-meson semileptonic rare decay phenomenology from lattice QCD (15' + 5')

Speaker

Mr Ran Zhou

14:35–14:50

Rare decays and angular analyses $B \rightarrow X \mu \mu$ (10' + 5')

Speaker

Dayong Wang

14:50–15:05

Search for new physics in rare and semi-rare decays of B-mesons at ATLAS (10' + 5')

Speaker

Iskander Ibragimov

15:05–15:20

Studies of the rare decays $B \rightarrow K^* l^+ l^-$ and $B \rightarrow K \pi \pi \gamma$, and search for $B \rightarrow K^+ \tau^+ \tau^-$ with the BABAR detector (10' + 5')

Speaker

Timothy Gershon

15:20–15:35

Search for the rare decay of $K_S^0 \rightarrow \pi^0 \nu \bar{\nu}$ with the KOTO detector (10' + 5')

Speaker

Dr Brian Beckford

15:35–15:50

Search for $K^+ \rightarrow \pi^+ \nu \nu$ at NA62 (10' + 5')

Speakers

Matthew Moulson, Matthew Moulson

15:50

16:15

Quark and Lepton Flavor Physics: 9

Session | **Location:** Superior A | **Convener:** Phillip Urquijo

16:15–16:35

Implications from $B \rightarrow K^* \ell^+ \ell^-$ observables using $\sqrt{s} \approx 13 \text{ TeV}$ of LHCb data (15' + 5')

Speaker

Rusa Mandal

16:35–16:50

Rare leptonic and semileptonic b -hadron decays and Tests of Lepton Flavour Universality at LHCb (10' + 5')**Speaker**

Simone Bifani

16:50–17:10

 b to s transitions in the Standard Model and Beyond (15' + 5')**Speaker**

Ayan Paul

17:10–17:25

Radiative $b\bar{s}$ -hadron decays at LHCb (10' + 5')**Speakers**

Carlos Sanchez Mayordomo, Carlos Sanchez Mayordomo

17:25–17:40

Measurements of radiative $B\bar{B}$ meson decays at Belle (10' + 5')**Speaker**

Hanjin Kim

17:40–17:55

Searches for rare charm decays at LHCb (10' + 5')**Speaker**

Andrea Contu

18:00