

Session Program

Aug 3 - 10, 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

Thu, August 4

9:00 AM

Quark and Lepton Flavor Physics: 1

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

9:00 – 9:20 AM **CP asymmetries in D^0 decays to two pseudoscalars (15' + 5')**

Speakers

Ulrich Nierste, Ulrich Nierste, Ulrich Nierste

9:20 – 9:35 AM **Mixing and CP violation in charm decays at LHCb (10' + 5')**

Speaker

Adam Davis

9:35 – 9:50 AM

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

Speaker

Alessandro Pilloni

9:50 – 10:05 AM

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

Speaker

Nibedita Dash

10:05 – 10:25 AM

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

Speaker

Ikaros Bigi

10:25 – 10:40 AM

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

Speaker

Xiao-Rui Lyu

10:40 – 11:00 AM

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

Speaker

Christopher Kelly

11:00 AM

11:30 AM

Quark and Lepton Flavor Physics: 2

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

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

Speaker

Louis Henry

11:45 AM – 12:00 PM

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

Speaker

Kamal Jyoti Nath

12:00 - 12:15 PM **Charmless two-body b-meson decays at LHCb (10' + 5')****Speaker**

Maria Vieites Diaz

12:15 - 12:30 PM **Recent Heavy Flavor results from D0 (10' + 5')****Speaker**

Iain Bertram

12:30 - 12:45 PM

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 - 1:05 PM **CP violation in hadronic tau decays (15' + 5')****Speaker**

Ina Lorenz

1:05 - 1:25 PM **Vus from tau decay data (15' + 5')****Speaker**

Kim Maltman

1:30 PM

5:00 PM

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

5:00 - 5:20 PM

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

Amarjit Soni

5:20 - 5:45 PM **The Muon g-2 Experiment at Fermilab (20' + 5')****Speaker**

Chris Polly

5:45 - 6:05 PM

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

Luchang Jin

6:05 - 6:20 PM

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

Dr Ivan Logashenko

6:20 - 6:40 PM

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

Speaker
Christoph Lehner

6:40 - 7:00 PM

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

Speaker
bipasha chakraborty

7:00 PM

Fri, August 5

9:00 AM

Quark and Lepton Flavor Physics: 4

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

9:00 – 9:20 AM **Lepton Flavor Violation in B decays (15' + 5')**

Speaker

Diego Guadagnoli

9:20 – 9:40 AM

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

Speaker

Alexey Petrov

9:40 – 9:55 AM **The Mu2e experiment at Fermilab (10' + 5')**

Speaker

Bertrand Echenard

9:55 – 10:10 AM

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

Speaker

MyeongJae Lee

10:10 – 10:25 AM **The MEG experiment result and the MEG II status (10' + 5')**

Speaker

Luca Galli

10:25 – 10:40 AM **The Mu3e Experiment at PSI (10' + 5')**

Speaker

Sandro Bravar

10:40 – 11:00 AM **Lepton flavor (universality) violation in rare kaon decays (15' + 5')**

Speaker

LEWIS TUNSTALL

11:00 AM

11:30 AM

Quark and Lepton Flavor Physics: 5

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

11:30 – 11:50 AM

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

Speaker

Marcella Bona

11:50 AM – 12:05 PM

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 PM

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

Slavomira Stefkova

12:20 - 12:35 PM

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 PM

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

Oliver Witzel

12:55 - 1:10 PM

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

Ronald Poling

1:10 - 1:30 PM

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

Prof. Jihn E. Kim

1:30 PM

2:30 PM

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

2:30 - 2:45 PM

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

Bryan FULSOM

2:45 - 3:05 PM

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

Ruth Van de Water

3:05 - 3:20 PM

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

Andrew Mark Wharton

3:20 - 3:40 PM

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

Ulrich Nierste

3:40 - 4:00 PM

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

Weonjong Lee

4:00 - 4:15 PM

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

Speaker

Sneha Sirirshkumar Malde

4:15 – 4:30 PM

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

4:30 PM

5:00 PM

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

5:00 – 5:15 PM

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

Suzanne Klaver

5:15 – 5:35 PM

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

Mr Ran Zhou

5:35 – 5:50 PM

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

Yutaro Sato

5:50 – 6:10 PM

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

Florian Urs Bernlochner

6:10 – 6:25 PM

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

Alberto Lusiani

6:25 – 6:45 PM

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

Prof. Stefan Meinel

6:45 – 7:00 PM

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

Kenji Inami

7:00 PM

Sat, August 6

2:00 PM

Quark and Lepton Flavor Physics: 8

Session | Location: Superior A | Convener: Phillip Urquijo

2:00 – 2:15 PM

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

Speaker

Felicitas Breibeck

2:15 – 2:35 PM

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

Speaker

Mr Ran Zhou

2:35 – 2:50 PM

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

Speaker

Dayong Wang

2:50 – 3:05 PM

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

Speaker

Iskander Ibragimov

3:05 – 3:20 PM

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

3:20 – 3:35 PM

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

3:35 – 3:50 PM

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

Speakers

Matthew Moulson, Matthew Moulson

3:50 PM

4:15 PM

Quark and Lepton Flavor Physics: 9

Session | Location: Superior A | Convener: Phillip Urquijo

4:15 – 4:35 PM

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

Speaker

Rusa Mandal

4:35 - 4:50 PM

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

Simone Bifani

4:50 - 5:10 PM

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

Ayan Paul

5:10 - 5:25 PM

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

Carlos Sanchez Mayordomo, Carlos Sanchez Mayordomo

5:25 - 5:40 PM

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

Hanjin Kim

5:40 - 5:55 PM

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

Andrea Contu

6:00 PM