

Session Program

17-24 Jul 2013



HEP 2013
Stockholm
18-24 July 2013



EPS HEP 2013 Stockholm

Flavour Physics and fundamental symmetries

KTH and Stockholm University Campus

Thursday 18 July

09:00

Flavour Physics and fundamental symmetries

Session | Location: KTH Campus, D1

09:00–09:15 **Lattice QCD results for precision b and c physics**

Speaker

Dr Matthew Wingate

09:15–09:30 **Mass of the b-quark from QCD sum rules for fB and fBs**

Speaker

Dmitri Melikhov

09:30–09:45 **Studies of asymmetries in semileptonic B decays at LHCb**

Speaker

Thomas Ruf

09:45–10:00 **Semileptonic B and Bs decays at Belle**

Speaker

Aleksey Sibidanov

10:00–10:15 **Semileptonic decays of B mesons at BaBar**

Speaker

Florian Bernlochner

10:15–10:30 **Study of leptonic and semileptonic kaon decays at CERN**

Speaker

Riccardo Fantechi

10:35

11:00

Flavour Physics and fundamental symmetries

Session | Location: KTH Campus, D1

11:00–11:15 **Heavy flavour spectroscopy at LHCb**

Speaker

Giovanni Carboni

11:15–11:30 **Studies of the properties and decays of the Bc meson at LHCb**

Speaker

Niels Tuning

11:30–11:45 **New particles at Belle**

Speaker

Tomoko Iwashita

11:45–12:00 **Y(nS) decays and spectroscopy at Belle**

Speaker

Pavel Krokovny

12:00–12:15 **Recent results on exotic quarkonium physics at CMS**

Speaker
Kai-Feng Chen

12:15–12:30 **Properties of b-hadrons with ATLAS**

Speaker
John Baines

12:30–12:45 **Spectroscopy of orbitally excited B mesons with the CDF detector**

Speaker
Manuel Kambeitz

12:45–13:00 **Recent results from the BESIII experiment**

Speakers
Liaoyuan Dong, liaoyuan dong

13:05

14:30

Flavour Physics and fundamental symmetries

Session | **Location:** KTH Campus, D1

14:30–14:45 **Bounding hadronic uncertainties in c to u decays**

Speaker
Adrian Bevan

14:45–15:00 **Improved tests for CP violation in charm decays**

Speaker
Amarjit Soni

15:00–15:15 **SU(3)_F in nonleptonic charm decays**

Speaker
Stefan Schacht

15:15–15:30 **Studies of charm mixing and CP violation at LHCb**

Speaker
Carla Gobel Burlamaqui De Mello

15:30–15:45 **CP violation in charm decays at Belle**

Speaker
Byeong Rok Ko

15:45–16:00 **Measurement of D⁰ D⁰bar mixing with CDF**

Speaker
Jonathan Lewis

16:00

16:30

Flavour Physics and fundamental symmetries

Session | **Location:** KTH Campus, D1

16:30–16:45 **Charmed hadrons and decays at Belle**

Speaker
Ruslan Chistov

16:45–17:00 **Measurement of gamma from three-body B decays**

Speaker

Maxime Imbeault

17:00-17:15

Measurements of $B \rightarrow DK$ decays to constrain the CKM unitarity triangle angle γ at LHCb

Speaker

Paolo Gandini

17:15-17:30

Measurements of ϕ_3 at Belle

Speaker

Kentaro Negishi

17:30-17:45

Measurements of the hadronic cross-sections with the CMD-3 and SND detectors at the VEPP-2000 e^+e^- collider

Speaker

fedor ignatov

18:00

Friday 19 July

09:00

Flavour Physics and fundamental symmetries

Session | Location: KTH Campus, D1

09:00–09:15 **Status of B to D(*) tau nu decays in two-Higgs-doublet models**

Speaker

Alejandro Celis

09:15–09:30 **Flavour-phenomenology of two-Higgs-doublet models**

Speaker

Andreas Crivellin

09:30–09:45 **Looking for new physics through semileptonic decays**

Speaker

Mr Andrey Tayduganov

09:45–10:00 **New physics searches at Belle**

Speaker

Jan Hasenbusch

10:00–10:15 **Beyond-SM searches in B -> D(*) tau nu and rare decays at BaBar**

Speaker

Eli Ben Haim

10:15–10:30 **Quark flavour observables in 331 models in the flavour precision era**

Speaker

Fulvia De Fazio

10:35

11:00

Flavour Physics and fundamental symmetries

Session | Location: KTH Campus, D1

11:00–11:15

Implications of $\text{Br}(\mu \rightarrow e \gamma)$ and Δa_μ on muonic lepton flavour violating processes

Speaker

Chun-Kiang Chua

11:15–11:30 **Latest results of the MEG experiment**

Speaker

Fabrizio Cei

11:30–11:45 **Upgrade of MEG experiment**

Speaker

Yusuke Uchiyama

11:45–12:00

Measurements of tau hadronic branching fractions and spectra, and search for second class current tau decays at BaBar

13:00

Speaker

Prof. Roger Barlow

12:00–12:15 **Belle II at SuperKEKB, a super B factory****Speaker**

Zdenek Dolezal

12:15–12:40

Identifying New Physics through correlations in quark flavour violating processes**Speaker**

Andrzej Buras

14:30

Flavour Physics and fundamental symmetries**Session** | **Location:** KTH Campus, D114:30–14:45 **Enhanced $B_0^d \rightarrow \mu^+ \mu^-$ Decay: What if?****Speaker**

Masaya Kohda

14:45–15:00 **Searches for very rare decays to purely leptonic final states at LHCb****Speaker**

Flavio Archilli

15:00–15:15 **Studies of rare Bs and B0 decays to dimuons at CMS****Speaker**

Urs Langenegger

15:15–15:30

Studies of rare and suppressed processes in B meson decays and of mixing/CP violation in the Bs system with the ATLAS detector**Speaker**

Jochen Schieck

15:30–15:45 **Search for the rare decay $B_s \rightarrow \mu \mu$ at DØ****Speaker**

Mark Williams

15:45–16:00

Measurement of anomalously large CP violation in the dimuon charge asymmetry at D0**Speaker**

Bruce Hoeneisen

16:00–16:15 **Rare charm decays at LHCb****Speaker**

Olga Kochebina

16:15–16:30 **Test of leptonic universality in J/psi decays****Speaker**

Evgenii Baldin

16:30

17:00

Flavour Physics and fundamental symmetries

Session | Location: KTH Campus, D1

17:00-17:15

Optimizing the basis of $B \rightarrow K^* l^+ l^-$ observables in the full kinematic range

Speaker

Dr Joaquim Matias

17:15-17:30

Constraints on $|\Delta B| = |\Delta S| = 1$ Wilson coefficients

Speaker

Danny van Dyk

17:30-17:45

Radiative B decays at LHCb

Speaker

Albert Puig Navarro

17:45-18:00

Studies of the electroweak penguin transitions $b \rightarrow s \mu \mu$ and $b \rightarrow d \mu \mu$ at LHCb

Speaker

Nicola Serra

18:00-18:15

Radiative and Electroweak Penguin B decays at Belle

Speakers

Yutaro Sato, Yutaro Sato

18:15-18:30

Search for lepton number violation in $B^+ \rightarrow X^- l^+ l^+$ and study of radiative penguin B decays at BaBar

Speaker

Fergus Wilson

18:30-18:45

Searches for rare and forbidden kaon decays at the NA62 experiment at CERN

Speaker

Gianluca Lamanna

18:45-19:00

Study of CP and CPT symmetries violation in kaon decays with KLOE

Speaker

Erika De Lucia

19:20

Saturday 20 July

09:00

Flavour Physics and fundamental symmetries

Session | Location: KTH Campus, D1

09:00–09:15

Studies of b hadron decays into final states containing charmonia at LHCb

Speaker

Victor Egorychev

09:15–09:30

Study of baryonic decays of B mesons at BaBar

Speaker

Roland Waldi

09:30–09:45

Measurements of CP violation in charmless two-body B decays at LHCb

Speaker

Stefano Perazzini

09:45–10:00

Studies of multibody charmless B decays at LHCb

Speaker

James McCarthy

10:00–10:15

Hadronic B decays at Belle

Speaker

Michael Prim

10:15–10:30

$B \rightarrow \omega\omega, \omega\phi$ and other charmless B -meson decays at BaBar

Speaker

Justin Albert

10:35

11:00

Flavour Physics and fundamental symmetries

Session | Location: KTH Campus, D1

11:00–11:15

Measurements of b hadron lifetimes and effective lifetimes at LHCb

Speaker

Lars Eklund

11:15–11:30

Measurement of ϕ_s at LHCb

Speaker

Sebastian Wandernoth

11:30–11:45

Studies of hadronic B decays to final states containing open charm mesons at LHCb

Speaker

Dr Mark Peter Whitehead

11:45-12:00 Time-dependent CP violation in B decays at Belle**Speaker**

Luka Santelj

12:00-12:15 Bs decays at Belle**Speaker**

Felicitas Thorne

12:15-12:30**Recent results on CP and T violation in hadronic B-meson decays at BaBar****Speaker**

Pablo Villanueva Perez

12:30-12:45**Mixing-induced CP asymmetry in semileptonic B-meson decays at BaBar****Speaker**

Franco Simonetto

12:45-13:00 Exclusive and semi-exclusive CP Violation studies at DØ**Speaker**

Mark Williams

13:00