

FPCP 2012

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Monday, 21 May 2012 09:00 (10 minutes)

Primary author: UNIVERSITY PRESIDENT

Presenter: UNIVERSITY PRESIDENT

Session Classification: Opening address

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 21 May 2012 09:10 (10 minutes)

Primary author: UNIVERSITY PRESIDENT

Presenter: UNIVERSITY PRESIDENT

Session Classification: Opening address

Contribution ID: 2

Type: **not specified**

Top quark production at LHC

Monday, 21 May 2012 09:20 (30 minutes)

Primary author: IVANOV, ANDREW

Presenter: Prof. IVANOV, ANDREW

Session Classification: Top quark physics

Contribution ID: 3

Type: **not specified**

Top quark production at the Tevatron

Monday, 21 May 2012 09:50 (30 minutes)

Primary author: Prof. BESANCON, MARC

Presenter: Prof. BESANCON, MARC

Session Classification: Top quark physics

Contribution ID: 4

Type: **not specified**

Top quark properties and top decays

Monday, 21 May 2012 10:20 (30 minutes)

Primary author: Prof. CHIOCHIA, VINCENZO

Presenter: Prof. CHIOCHIA, VINCENZO

Session Classification: Top quark physics

Contribution ID: 5

Type: **not specified**

b -> s gamma

Monday, 21 May 2012 11:20 (30 minutes)

Primary author: Dr SUN, LIANG

Presenter: Dr SUN, liang

Session Classification: Rare decays of B and Bs

Contribution ID: 6

Type: **not specified**

Bs, Bd -> mu mu

Monday, 21 May 2012 11:50 (30 minutes)

Primary author: Prof. CHEN, GUOMING

Presenter: Prof. CHEN, Guoming

Session Classification: Rare decays of B and Bs

Contribution ID: 7

Type: **not specified**

$B_s \rightarrow \mu \mu, K^* \mu \mu$

Monday, 21 May 2012 12:20 (30 minutes)

Primary author: Dr SERRA, NICOLA

Presenter: Dr SERRA, NICOLA

Session Classification: Rare decays of B and B_s

Contribution ID: 8

Type: **not specified**

First observation of $\chi_b(3P)$ and $\Xi(b)$ baryon

*Monday, 21 May 2012 14:00 (35 minutes)***Primary author:** Mr CHISHOLM, ANDREW**Presenter:** Mr CHISHOLM, ANDREW**Session Classification:** Quarkonium physics I

Contribution ID: 9

Type: **not specified**

New and conventional bottomonium states

Monday, 21 May 2012 14:35 (30 minutes)

Primary author: Prof. LI, JIN

Presenter: Prof. LI, JIN

Session Classification: Quarkonium physics I

Contribution ID: **10**

Type: **not specified**

New and conventional charmonium states

Monday, 21 May 2012 15:05 (30 minutes)

Primary author: Dr WANG, XIAOLONG

Presenter: Dr WANG, XiaoLong

Session Classification: Quarkonium physics I

Contribution ID: 11

Type: **not specified**

Quarkonium production at LHC and Tevatron

Monday, 21 May 2012 15:35 (30 minutes)

Primary author: Prof. GAO, YUANNING

Presenter: Prof. GAO, Yuanning

Session Classification: Quarkonium physics I

Contribution ID: 12

Type: **not specified**

Hyperon physics in ATLAS

Monday, 21 May 2012 16:35 (30 minutes)

Primary author: Prof. NEAL, HOMER

Presenter: Prof. NEAL, HOMER

Session Classification: Quarkonium physics II

Contribution ID: 13

Type: **not specified**

Polarization in quarkonium production

Monday, 21 May 2012 17:05 (30 minutes)

Primary authors: Prof. PROF. RUSS, JAMES (CARNEGIE MELLON UNIVERSITY); Prof. RUSS, JAMES

Presenter: Prof. RUSS, JAMES

Session Classification: Quarkonium physics II

Contribution ID: 14

Type: **not specified**

Charmonium physics with NRQCD

Monday, 21 May 2012 17:35 (30 minutes)

Primary author: Prof. WANG, JIANXIONG

Presenter: Prof. WANG, Jianxiong

Session Classification: Quarkonium physics II

Contribution ID: 15

Type: **not specified**

Quarkonium spectra in Lattice QCD

Monday, 21 May 2012 18:05 (30 minutes)

Primary author: Prof. RYAN, SINEAD (TRINITY COLLEGE DUBLIN)

Presenter: Prof. RYAN, SINEAD

Session Classification: Quarkonium physics II

Contribution ID: 16

Type: **not specified**

CP violation in the B system

Tuesday, 22 May 2012 08:40 (30 minutes)

Primary author: Prof. TRABELSI, KARIM

Presenter: Prof. TRABELSI, KARIM

Session Classification: T and CP violation

Contribution ID: 17

Type: **not specified**

CP violation in tau, charm

Tuesday, 22 May 2012 09:10 (30 minutes)

Primary author: Prof. HAYASHII, HISAKI

Presenter: Prof. HAYASHII, HISAKI

Session Classification: T and CP violation

Contribution ID: **18**

Type: **not specified**

First direct measurement of time-reversal violation in B decays

Tuesday, 22 May 2012 09:40 (30 minutes)

Primary author: Mr VILLANUEVA PEREZ, PABLO

Presenter: Mr VILLANUEVA PEREZ, PABLO

Session Classification: T and CP violation

Contribution ID: **19**

Type: **not specified**

CP violation and symmetry aspect of SM

Tuesday, 22 May 2012 10:40 (30 minutes)

Primary author: Prof. WU, YUE-LIANG

Presenter: Prof. WU, Yue-liang

Session Classification: P and CP violation

Contribution ID: 20

Type: **not specified**

P and CP violation in heavy ion collisions

Tuesday, 22 May 2012 11:10 (30 minutes)

Primary author: Prof. FUKUSHIMA, KENJI

Presenter: Prof. FUKUSHIMA, KENJI

Session Classification: P and CP violation

Contribution ID: 21

Type: **not specified**

Status of CP violation in Kaon systems (Theory)

*Tuesday, 22 May 2012 11:40 (30 minutes)***Primary author:** Dr D'AMBROSIO, GIANCARLO**Presenter:** Dr D'AMBROSIO, GIANCARLO**Session Classification:** P and CP violation

Contribution ID: 22

Type: **not specified**

Measurements of CKM angle gamma from tree-dominated decays

Tuesday, 22 May 2012 12:10 (30 minutes)

Primary author: Dr SCHILLER, MANUEL TOBIAS

Presenter: Dr SCHILLER, MANUEL TOBIAS

Session Classification: P and CP violation

Contribution ID: 23

Type: **not specified**

D-Dbar mixing, direct and indirect CP violation

Tuesday, 22 May 2012 14:10 (30 minutes)

Primary author: Prof. CHEN, CHUNHUI

Presenter: Prof. CHEN, Chunhui

Session Classification: CPV and mixing in the charm sector

Contribution ID: 24

Type: **not specified**

CP violation in D decays

Tuesday, 22 May 2012 14:40 (30 minutes)

Primary author: Dr VAGNONI, VINCENZO MARIA

Presenter: Dr VAGNONI, VINCENZO MARIA

Session Classification: CPV and mixing in the charm sector

Contribution ID: 25

Type: **not specified**

Theory of direct CP violation in D decays in view of LHCb and CDF

Tuesday, 22 May 2012 15:10 (30 minutes)

Primary author: Prof. GRONAU, MICHAEL

Presenter: Prof. GRONAU, MICHAEL

Session Classification: CPV and mixing in the charm sector

Contribution ID: 26

Type: **not specified**

CP Violation in other channel and rare decays

Tuesday, 22 May 2012 15:40 (30 minutes)

Primary author: Mr MARCHIORI, GIOVANNI

Presenter: Mr MARCHIORI, GIOVANNI

Session Classification: CPV and mixing in the charm sector

Contribution ID: 27

Type: **not specified**

Hadronic B decays

Tuesday, 22 May 2012 16:40 (30 minutes)

Primary author: Dr NASTEVA, IRINA

Presenter: Dr NASTEVA, IRINA

Session Classification: D and B physics I

Contribution ID: 28

Type: **not specified**

Hadronic Bs decays

Tuesday, 22 May 2012 17:10 (30 minutes)

Primary author: Mr RUFFINI, FABRIZIO

Presenter: Mr RUFFINI, FABRIZIO

Session Classification: D and B physics I

Contribution ID: 29

Type: **not specified**

Hadronic B (including Bs) decays (theory)

Tuesday, 22 May 2012 17:40 (30 minutes)

Primary author: Prof. LV, CAIDIAN

Presenter: Prof. LV, Caidian

Session Classification: D and B physics I

Contribution ID: **30**

Type: **not specified**

Leptonic D decays

Tuesday, 22 May 2012 18:10 (30 minutes)

Primary author: Dr BOZEK, ANDRZEJ

Presenter: Dr BOZEK, ANDRZEJ

Session Classification: D and B physics I

Contribution ID: **31**

Type: **not specified**

Theoretical aspects of neutrino speed anomaly

Wednesday, 23 May 2012 08:30 (30 minutes)

Primary author: Prof. COHEN, ANDREW

Presenter: Prof. COHEN, ANDREW

Session Classification: Neutrinos

Contribution ID: **32**

Type: **not specified**

Theta_13

Wednesday, 23 May 2012 09:00 (30 minutes)

Primary author: Dr LITCHFIELD, PHILLIP

Presenter: Dr LITCHFIELD, PHILLIP

Session Classification: Neutrinos

Contribution ID: **33**

Type: **not specified**

Status report from Daya Bay

Wednesday, 23 May 2012 09:30 (30 minutes)

Primary author: Dr LIU, JIANGLAI

Presenter: Dr LIU, Jianglai

Session Classification: Neutrinos

Contribution ID: 34

Type: **not specified**

Rare nucleon decay – neutrinoless double-beta decay and next generation experiment

Wednesday, 23 May 2012 10:00 (30 minutes)

Primary author: Prof. MEI, DONGMING

Presenter: Prof. MEI, Dongming

Session Classification: Neutrinos

Contribution ID: 35

Type: **not specified**

B leptonic decays

Wednesday, 23 May 2012 11:00 (30 minutes)

Primary author: Prof. HARA, KOJI

Presenter: Prof. HARA, KOJI

Session Classification: CPV and Bs rare decay

Contribution ID: **36**

Type: **not specified**

Recent kaon physics results and prospects

Wednesday, 23 May 2012 11:30 (30 minutes)

Primary author: Dr GOUDZOVSKI, EVGUENI

Presenter: Dr GOUDZOVSKI, EVGUENI

Session Classification: CPV and Bs rare decay

Contribution ID: 37

Type: **not specified**

CP Violation in $J/\psi \phi$

Wednesday, 23 May 2012 12:00 (20 minutes)

Primary author: Dr XIE, YUEHONG

Presenter: Dr XIE, Yuehong

Session Classification: CPV and Bs rare decay

Contribution ID: **38**

Type: **not specified**

CP Violation in other Bs decays

Wednesday, 23 May 2012 12:20 (25 minutes)

Primary author: Dr ZHANG, LIMING

Presenter: Dr ZHANG, Liming

Session Classification: CPV and Bs rare decay

Contribution ID: 39

Type: **not specified**

Higgs searches at LHC and Tevatron

Thursday, 24 May 2012 08:30 (30 minutes)

Primary author: Prof. CHARLTON, DAVID

Presenter: Prof. CHARLTON, DAVID

Session Classification: New physics

Contribution ID: 40

Type: **not specified**

Searches for low-mass new physics

Thursday, 24 May 2012 09:00 (30 minutes)

Primary author: Prof. LOU, XINCHU

Presenter: Prof. LOU, XINCHU

Session Classification: New physics

Contribution ID: 41

Type: **not specified**

Searches for LFV and LNV in hadron decays

*Thursday, 24 May 2012 09:30 (30 minutes)***Primary author:** Mr SEYFERT, PAUL**Presenter:** Mr SEYFERT, PAUL**Session Classification:** New physics

Contribution ID: 42

Type: **not specified**

Searches for LFV and LNV in charged lepton decays

*Thursday, 24 May 2012 10:00 (30 minutes)***Primary author:** Dr RENGA, FRANCESCO**Presenter:** Dr RENGA, FRANCESCO**Session Classification:** New physics

Contribution ID: 43

Type: **not specified**

New ideas and directions in flavor physics/CP violation

Thursday, 24 May 2012 11:00 (30 minutes)

Primary author: Prof. SONI, AMARJIT

Presenter: Prof. SONI, AMARJIT

Session Classification: Mixing matrices

Contribution ID: 44

Type: **not specified**

Status of the PMNS matrix

Thursday, 24 May 2012 11:30 (30 minutes)

Primary author: Prof. RODEJOHANN, WERNER

Presenter: Prof. RODEJOHANN, WERNER

Session Classification: Mixing matrices

Contribution ID: 45

Type: **not specified**

CKM matrix and constraints on new physics from quark flavour observables

Thursday, 24 May 2012 12:00 (30 minutes)

Primary author: Dr DESCOTES-GENON, SEBASTIEN

Presenter: Dr DESCOTES-GENON, SEBASTIEN

Session Classification: Mixing matrices

Contribution ID: 46

Type: **not specified**

Semileptonic B decays

Thursday, 24 May 2012 14:00 (30 minutes)

Primary author: Prof. LUTH, VERA

Presenter: Prof. LUTH, VERA

Session Classification: D and B physics II

Contribution ID: 47

Type: **not specified**

Semileptonic Bs decays

Thursday, 24 May 2012 14:30 (30 minutes)

Primary author: Prof. VAN KOOTEN, RICK

Presenter: Prof. VAN KOOTEN, RICK

Session Classification: D and B physics II

Contribution ID: 48

Type: **not specified**

Semileptonic D decays

Thursday, 24 May 2012 15:00 (30 minutes)

Primary author: Dr RADEMACKER, JONAS

Presenter: Dr RADEMACKER, JONAS

Session Classification: D and B physics II

Contribution ID: 49

Type: **not specified**

Semileptonic B and D decays (theory)

Thursday, 24 May 2012 15:30 (30 minutes)

Primary author: Dr RICCIARDI, GIULIA

Presenter: Dr RICCIARDI, GIULIA

Session Classification: D and B physics II

Contribution ID: 50

Type: **not specified**

Recent results from BESIII

Thursday, 24 May 2012 16:30 (30 minutes)

Primary author: Prof. HUANG, GUANGSHUN

Presenter: Prof. HUANG, Guangshun

Session Classification: Selected topics

Contribution ID: 51

Type: **not specified**

Heavy flavor production in heavy ion collisions

Thursday, 24 May 2012 17:00 (30 minutes)

Primary author: Prof. TANG, ZEBO

Presenter: Prof. TANG, Zebo

Session Classification: Selected topics

Contribution ID: 52

Type: **not specified**

**The $B(B_s) \rightarrow D(s)(\bar{D})(s) T$ and
 $D^*(s)(\bar{D}^*(s)) T$ decays in perturbative QCD
approach**

*Thursday, 24 May 2012 17:30 (1 hour)***Primary author:** Mr ZOU, ZHI-TIAN**Presenter:** Mr ZOU, ZHI-TIAN**Session Classification:** Poster session

Contribution ID: 53

Type: **not specified**

Direct CP violation in D to PP decays

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Mr CHIANG, CHENG-WEI

Presenter: Mr CHIANG, CHENG-WEI

Session Classification: Poster session

Contribution ID: 54

Type: **not specified**

Neutrinoless Double-Beta Decay

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Mrs BARKER, D'ANN

Presenter: Ms BARKER, D'ANN

Session Classification: Poster session

Contribution ID: 55

Type: **not specified**

Constraining CP violation in neutral meson mixing with theory input

*Thursday, 24 May 2012 17:30 (1 hour)***Primary author:** Dr TURCZYK, SASCHA**Presenter:** Dr TURCZYK, SASCHA**Session Classification:** Poster session

Contribution ID: 56

Type: **not specified**

Top A_FB and charge asymmetry in flavor-dependent chiral U(1)' model

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Dr YU, CHAEHYUN

Presenter: Dr YU, CHAEHYUN

Session Classification: Poster session

Contribution ID: 57

Type: **not specified**

Branching ratio and direct CP violation in D meson decays

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Mr YU, FU-SHENG

Presenter: Mr YU, FU-SHENG

Session Classification: Poster session

Contribution ID: 58

Type: **not specified**

Determining CP violation angle γ with B decays into a scalar/tensor meson

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Dr WANG, WEI

Presenter: Dr WANG, WEI

Session Classification: Poster session

Contribution ID: 59

Type: **not specified**

The $\bar{B} \rightarrow X_s \gamma \gamma$ Decay: NLL QCD Contribution of the Electromagnetic Dipole Operator O_7

*Thursday, 24 May 2012 17:30 (1 hour)***Primary author:** Mr KOKULU, AHMET**Presenter:** Mr KOKULU, AHMET**Session Classification:** Poster session

Contribution ID: **60**

Type: **not specified**

Heavy meson decay constants and the CKM matrix elements from Lattice QCD

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Dr NA, HEECHANG

Presenter: Dr NA, HEECHANG

Session Classification: Poster session

Contribution ID: 61

Type: **not specified**

CP violating anomalous tau lepton couplings via a spin-0 unparticles

*Thursday, 24 May 2012 17:30 (1 hour)***Primary author:** Mr MOYOTL, AGUSTIN**Presenter:** Mr MOYOTL, AGUSTIN**Session Classification:** Poster session

Contribution ID: 62

Type: **not specified**

Day-Night Asymmetries of Solar Neutrino Active-Sterile Oscillations

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Mr LONG, HAI-WEI

Presenter: Mr LONG, HAI-WEI

Session Classification: Poster session

Contribution ID: 63

Type: **not specified**

CP violating NMSSM and electroweak baryogenesis

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Dr SENAHA, EIBUN

Presenter: Dr SENAHA, EIBUN

Session Classification: Poster session

Contribution ID: 64

Type: **not specified**

Atoms and Molecules: Laboratories for the study of symmetry violating interactions

Thursday, 24 May 2012 17:30 (1 hour)

Primary author: Dr HULIYAR, NATARAJ

Presenter: Dr HULIYAR, NATARAJ

Session Classification: Poster session

Contribution ID: 65

Type: **not specified**

The LHCb upgrade

Friday, 25 May 2012 08:30 (30 minutes)

Primary author: Prof. SALAZAR DE PAULA, LEANDRO

Presenter: Prof. SALAZAR DE PAULA, LEANDRO

Session Classification: Future facilities and Prospects

Contribution ID: **66**

Type: **not specified**

Super B and super tau-charm factories

Friday, 25 May 2012 09:00 (35 minutes)

Primary author: Prof. BIANCHI, FABRIZIO

Presenter: Prof. BIANCHI, FABRIZIO

Session Classification: Future facilities and Prospects

Contribution ID: 67

Type: **not specified**

Belle-II

Friday, 25 May 2012 09:35 (30 minutes)

Primary author: Prof. YUAN, CHANGZHENG

Presenter: Prof. YUAN, Changzheng

Session Classification: Future facilities and Prospects

Contribution ID: **68**

Type: **not specified**

Kaon and Muon experiments: J-PARC and Fermi Lab

Friday, 25 May 2012 10:05 (30 minutes)

Primary author: Prof. LIM, GEIYOUB

Presenter: Prof. LIM, GEIYOUB

Session Classification: Future facilities and Prospects

Contribution ID: **69**

Type: **not specified**

Lattice applications to FP & CPV

Friday, 25 May 2012 11:00 (30 minutes)

Primary author: Prof. EL-KHADRA, AIDA

Presenter: Prof. EL-KHADRA, AIDA

Session Classification: Summaries

Contribution ID: 70

Type: **not specified**

Theory summary

Friday, 25 May 2012 11:30 (30 minutes)

Primary author: Prof. HOU, GEORGE W.S

Presenter: Prof. HOU, GEORGE W.S

Session Classification: Summaries

Contribution ID: 71

Type: **not specified**

Experiment summary

Friday, 25 May 2012 12:00 (30 minutes)

Primary author: Dr APPEL, JEFFREY A

Presenter: Dr APPEL, JEFFREY A.

Session Classification: Summaries

Contribution ID: 72

Type: **not specified**

Closing remarks

Friday, 25 May 2012 12:30 (20 minutes)

Primary author: Prof. ZHAO, ZHENGGUO

Presenter: Prof. ZHAO, Zhengguo

Session Classification: Closing remarks