

12th International Workshop on the CKM Unitarity Triangle (CKM 2023)



Report of Contributions

Contribution ID: 1

Type: **not specified**

Coffee break

Contribution ID: 2

Type: **not specified**

Coffee break

Contribution ID: 3

Type: **not specified**

CKM Group Picture

Contribution ID: 4

Type: **not specified**

CKM matrix status in 2023

Monday 18 September 2023 09:00 (35 minutes)

Presenter: Dr VALE SILVA, Luiz (IFIC, UV-CSIC)

Session Classification: Plenary session

Contribution ID: 5

Type: **not specified**

Flavour physics: status and prospects

Monday 18 September 2023 09:35 (35 minutes)

Presenter: BORDONE, Marzia (CERN)

Session Classification: Plenary session

Contribution ID: 6

Type: **not specified**

Overview of charm physics

Monday 18 September 2023 10:10 (25 minutes)

Primary author: Dr LI, Longke

Presenter: Dr LI, Longke

Session Classification: Plenary session

Contribution ID: 7

Type: **not specified**

Overview of kaon physics

Monday 18 September 2023 10:35 (25 minutes)

Presenter: MASSRI, Karim (CERN)

Session Classification: Plenary session

Contribution ID: 8

Type: **not specified**

Status and prospects of hadron machine measurements

Monday 18 September 2023 12:05 (35 minutes)

Primary author: AMHIS, Yasmine Sara (IJCLab/CERN)

Presenter: AMHIS, Yasmine Sara (IJCLab/CERN)

Session Classification: Plenary session

Contribution ID: 9

Type: **not specified**

Status and prospects of e+e- measurements

Monday 18 September 2023 11:30 (35 minutes)

Primary author: LIBBY, James (Indian Institute of Technology Madras (IN))

Presenter: LIBBY, James (Indian Institute of Technology Madras (IN))

Session Classification: Plenary session

Contribution ID: **10**

Type: **not specified**

Progress in high pT (top, Higgs, flavour at high pT)

Monday 18 September 2023 12:40 (25 minutes)

Primary author: GRELJO, Admir (Universitaet Bern (CH))

Presenter: GRELJO, Admir (Universitaet Bern (CH))

Session Classification: Plenary session

Contribution ID: 11

Type: **not specified**

Status and progress of lattice QCD

Monday 18 September 2023 13:05 (25 minutes)

Primary author: KANEKO, Takashi

Presenter: KANEKO, Takashi

Session Classification: Plenary session

Contribution ID: 12

Type: **not specified**

Theory on top spin and entanglement

Thursday 21 September 2023 09:00 (20 minutes)

Presenter: MUNOZ DE NOVA, Juan Ramon

Session Classification: WG 6

Contribution ID: 13

Type: **not specified**

Discussion

Thursday 21 September 2023 09:20 (5 minutes)

Session Classification: WG 6

Contribution ID: 14

Type: **not specified**

Single top measurements including CKM measurements

Thursday 21 September 2023 09:25 (20 minutes)

Presenter: Dr MORENO LLACER, Maria (Univ. of Valencia and CSIC (ES))

Session Classification: WG 6

Contribution ID: 15

Type: **not specified**

Discussion

Thursday 21 September 2023 09:45 (5 minutes)

Session Classification: WG 6

Contribution ID: 16

Type: **not specified**

tt+X measurements

Thursday 21 September 2023 09:50 (20 minutes)

Presenter: ALVAREZ GONZALEZ, Barbara (Universidad de Oviedo (ES))

Session Classification: WG 6

Contribution ID: 17

Type: **not specified**

Discussion

Thursday 21 September 2023 10:10 (5 minutes)

Session Classification: WG 6

Contribution ID: **18**

Type: **not specified**

Measurement of spin properties

Thursday 21 September 2023 10:15 (20 minutes)

Presenter: BRUSCINO, Nello (Sapienza Università e INFN, Roma I (IT))

Session Classification: WG 6

Contribution ID: **19**

Type: **not specified**

Discussion

Thursday 21 September 2023 10:35 (5 minutes)

Session Classification: WG 6

Contribution ID: 20

Type: **not specified**

Theory status on flavour changing neutral currents

Presenter: AGUILAR SAAVEDRA, Juan Antonio (Consejo Superior de Investigaciones Cientificas (CSIC) (ES))

Session Classification: WG 6

Contribution ID: 21

Type: **not specified**

Discussion

Session Classification: WG 6

Contribution ID: 22

Type: **not specified**

Measurement of Higgs FCNCs and anomalous couplings

Thursday 21 September 2023 15:10 (20 minutes)

Presenter: ORR, Robert (University of Toronto (CA))

Session Classification: WG 6

Contribution ID: 23

Type: **not specified**

Discussion

Thursday 21 September 2023 15:30 (5 minutes)

Session Classification: WG 6

Contribution ID: 24

Type: **not specified**

Higgs CP measurements

Thursday 21 September 2023 15:35 (20 minutes)

Presenter: Dr MORENO LLACER, Maria (Univ. of Valencia and CSIC (ES))

Session Classification: WG 6

Contribution ID: 25

Type: **not specified**

Discussion

Thursday 21 September 2023 15:55 (5 minutes)

Session Classification: WG 6

Contribution ID: 26

Type: **not specified**

Theory: how much room is there still for discoveries?

Tuesday 19 September 2023 14:45 (20 minutes)

Presenters: MADIGAN, Maeve (Heidelberg University); MADIGAN, Maeve Una

Session Classification: WG 6

Contribution ID: 27

Type: **not specified**

Discussion

Tuesday 19 September 2023 15:05 (5 minutes)

Session Classification: WG 6

Contribution ID: 28

Type: **not specified**

Searches for Leptoquarks

Tuesday 19 September 2023 15:10 (20 minutes)

Presenter: PLESKOT, Vojtech (Charles University (CZ))

Session Classification: WG 6

Contribution ID: 29

Type: **not specified**

Discussion

Tuesday 19 September 2023 15:30 (5 minutes)

Session Classification: WG 6

Contribution ID: **30**

Type: **not specified**

Searches for vector-like quarks

Tuesday 19 September 2023 15:35 (20 minutes)

Presenter: RAMIREZ GUADARRAMA, Dalia Lucero (Universidad Iberoamericana (MX))

Session Classification: WG 6

Contribution ID: **31**

Type: **not specified**

Discussion

Tuesday 19 September 2023 15:55 (5 minutes)

Session Classification: WG 6

Contribution ID: **32**

Type: **not specified**

Heavy resonances to bosons

Thursday 21 September 2023 16:25 (20 minutes)

Presenter: LES, Robert (Michigan State University (US))

Session Classification: WG 6

Contribution ID: 33

Type: **not specified**

Discussion

Thursday 21 September 2023 16:45 (5 minutes)

Session Classification: WG 6

Contribution ID: 34

Type: **not specified**

Heavy leptons/neutrinos searches

Tuesday 19 September 2023 16:00 (20 minutes)

Presenter: MANZONI, Riccardo (ETH Zurich (CH))

Session Classification: WG 6

Contribution ID: 35

Type: **not specified**

Discussion

Session Classification: WG 6

Contribution ID: 36

Type: **not specified**

K->mumu in the continuum

Monday 18 September 2023 14:45 (25 minutes)

Presenter: SCHACHT, Stefan (University of Manchester)

Session Classification: WG 3

Contribution ID: 37

Type: **not specified**

Perturbative aspects of rare K and B decays

Monday 18 September 2023 15:35 (25 minutes)

Presenter: GORBAHN, Martin (Liverpool University)

Session Classification: WG 3

Contribution ID: **38**

Type: **not specified**

K->mumu on the lattice

Monday 18 September 2023 16:00 (25 minutes)

Presenter: CHAO, En-Hung (Columbia University)

Session Classification: WG 3

Contribution ID: 39

Type: **not specified**

Rare kaons on the lattice

Tuesday 19 September 2023 14:45 (25 minutes)

Presenter: HILL, Ryan

Session Classification: WG 3

Contribution ID: 40

Type: **not specified**

Flavour & BSM – Quo vadis?

Tuesday 19 September 2023 16:00 (25 minutes)

Presenter: ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

Session Classification: WG 3

Contribution ID: 41

Type: **not specified**

Dispersive analysis of $B \rightarrow K^*$ and $B_s \rightarrow \phi$ form factors

Wednesday 20 September 2023 13:10 (25 minutes)

Presenter: REBOUD, Meril

Session Classification: WG 3

Contribution ID: 42

Type: **not specified**

Light new physics scenarios, relation to flavour, overview

Thursday 21 September 2023 16:00 (25 minutes)

Presenter: Prof. BAUER, Martin (IPPP Durham)

Session Classification: WG 3

Contribution ID: 43

Type: **not specified**

Lattice outlook on $B \rightarrow \rho$ and $B \rightarrow K^*$

Thursday 21 September 2023 17:50 (30 minutes)

Presenter: LESKOVEC, Luka (Jozef Stefan Institute)

Session Classification: WG 2 & 3

Contribution ID: 44

Type: **not specified**

Rare $B \rightarrow \pi$ and $B \rightarrow K$ decays on the lattice

Thursday 21 September 2023 18:20 (30 minutes)

Presenter: Dr BOUCHARD, Chris (University of Glasgow)

Session Classification: WG 2 & 3

Contribution ID: 45

Type: **not specified**

Global fit to $b \rightarrow c \tau \nu$

Monday 18 September 2023 17:15 (24 minutes)

Presenter: IGURO, Syuhei (Nagoya University)

Session Classification: WG 2

Contribution ID: 46

Type: **not specified**

Constrained 2nd-order power corrections in HQET

Monday 18 September 2023 17:39 (24 minutes)

Presenter: PRIM, Markus Tobias (University of Bonn (DE))

Session Classification: WG 2

Contribution ID: 47

Type: **not specified**

Impact of $\Lambda_{b,d}$ \rightarrow $\Lambda_{c,d}$ τ ν on new physics in $b \rightarrow c$ τ ν transitions

Monday 18 September 2023 18:27 (24 minutes)

Presenter: FEDELE, Marco (KIT)

Session Classification: WG 2

Contribution ID: 48

Type: **not specified**

LFU tests at Belle/Belle II

Monday 18 September 2023 18:03 (24 minutes)

Presenter: KOWALEWSKI, Bob (University of Victoria (CA))

Session Classification: WG 2

Contribution ID: 49

Type: **not specified**

LFU tests in semileptonic decays at LHCb

Monday 18 September 2023 18:51 (24 minutes)

Presenter: CALVI, Marta (Univ. degli Studi Milano-Bicocca)

Session Classification: WG 2

Contribution ID: 50

Type: **not specified**

Exclusive SL B-decays at Belle/Belle II

Tuesday 19 September 2023 17:15 (24 minutes)

Presenter: SCHWANDA, Christoph

Session Classification: WG 2

Contribution ID: 51

Type: **not specified**

CKM matrix elements at LHCb

Tuesday 19 September 2023 17:39 (24 minutes)

Presenter: DELANEY, Blaise Raheem (Massachusetts Inst. of Technology (US))

Session Classification: WG 2

Contribution ID: 52

Type: **not specified**

Bs \rightarrow Ds*, B \rightarrow D* from HPQCD

Presenter: HARRISON, Judd

Session Classification: WG 2

Contribution ID: 53

Type: **not specified**

$B(s) \rightarrow D^{(*)}(s)$ from FNAL/MILC

Tuesday 19 September 2023 18:03 (24 minutes)

Presenter: VAQUERO AVILÉS-CASCO, Alejandro Marino (Universidad de Zaragoza)

Session Classification: WG 2

Contribution ID: 54

Type: **not specified**

Extraction of the ratio $|V_{ub}|/|V_{cb}|$ from the combined study of the exclusive decays

Tuesday 19 September 2023 18:51 (24 minutes)

Presenter: RAY, IPSITA

Session Classification: WG 2

Contribution ID: 55

Type: **not specified**

Model independent description of $B \rightarrow D \pi l \nu$ decays

Tuesday 19 September 2023 18:27 (24 minutes)

Presenter: HERREN, Florian (Fermilab)

Session Classification: WG 2

Contribution ID: 56

Type: **not specified**

Combining lattice and sum rules to determine $|V_{ub}|/|V_{cb}|$

Wednesday 20 September 2023 09:24 (24 minutes)

Presenter: DA SILVA BOLOGNANI, Carolina (Nikhef National institute for subatomic physics (NL))

Session Classification: WG 2

Contribution ID: 57

Type: **not specified**

Unitarity constraints and the dispersive matrix

Wednesday 20 September 2023 09:00 (24 minutes)

Presenter: VITTORIO, Ludovico

Session Classification: WG 2

Contribution ID: 58

Type: **not specified**

New physics contributions to moments of incl. $b \rightarrow c$

Wednesday 20 September 2023 10:12 (24 minutes)

Presenter: FAEL, Matteo (CERN)

Session Classification: WG 2

Contribution ID: 59

Type: **not specified**

NLO QCD corrections for $B \rightarrow X_c \tau \nu$

Wednesday 20 September 2023 09:48 (24 minutes)

Presenter: MORENO, Daniel

Session Classification: WG 2

Contribution ID: **60**

Type: **not specified**

Recent CMS results on flavor anomalies and lepton flavor violation

Thursday 21 September 2023 09:00 (24 minutes)

Presenter: MANZONI, Riccardo (ETH Zurich (CH))

Session Classification: WG 2

Contribution ID: **61**

Type: **not specified**

LHCb prospects on semileptonic decays

Thursday 21 September 2023 09:24 (24 minutes)

Presenter: ROTONDO, Marcello (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: WG 2

Contribution ID: **62**

Type: **not specified**

Belle II prospects

Session Classification: WG 2

Contribution ID: 63

Type: **not specified**

|Vub| and the potential impact of new physics in exclusive $b \rightarrow u \ell \nu$ decays

Wednesday 20 September 2023 10:36 (24 minutes)

Presenter: MELIĆ, Blaženka (Rudjer Boskovic Institute)

Session Classification: WG 2

Contribution ID: 64

Type: **not specified**

$B \rightarrow \pi, B \rightarrow D^*$ from JLQCD

Thursday 21 September 2023 18:50 (30 minutes)

Presenters: COLQUHOUN, Brian (University of Glasgow); Dr COLQUHOUN, Brian (University of Glasgow)

Session Classification: WG 2 & 3

Contribution ID: 65

Type: **not specified**

Recent measurements of inclusive SL decays at the beauty and charm factories

Tuesday 19 September 2023 12:30 (30 minutes)

Presenter: PRIM, Markus Tobias (University of Bonn (DE))

Session Classification: WG 1 & 2

Contribution ID: 66

Type: **not specified**

Updates on inclusive charmed and bottomed meson decays from lattice

Tuesday 19 September 2023 11:30 (30 minutes)

Presenter: KELLERMANN, Ryan (SOKENDAI)

Session Classification: WG 1 & 2

Contribution ID: 67

Type: **not specified**

HQE in inclusive SL decays

Tuesday 19 September 2023 12:00 (30 minutes)

Presenters: VOS, Keri (Nikhef National institute for subatomic physics (NL)); Dr VOS, Keri (University of Maastricht)

Session Classification: WG 1 & 2

Contribution ID: **68**

Type: **not specified**

Discussion

Session Classification: WG 2

Contribution ID: 69

Type: **not specified**

Direct CPV in D mesons decays at LHCb

Monday 18 September 2023 14:45 (30 minutes)

Presenter: BRODZICKA, Jolanta (Polish Academy of Sciences (PL))

Session Classification: WG 7

Contribution ID: 70

Type: **not specified**

CPV in D meson decays at Belle and Belle II

Monday 18 September 2023 15:15 (30 minutes)

Presenter: BERTEMES, Michel (Austrian Academy of Sciences (AT))

Session Classification: WG 7

Contribution ID: 71

Type: **not specified**

Charm CP Violation

Monday 18 September 2023 15:45 (30 minutes)

Presenter: Prof. NIERSTE, Ulrich

Session Classification: WG 7

Contribution ID: 72

Type: **not specified**

BSM and direct CPV

Monday 18 September 2023 16:15 (30 minutes)

Presenter: GISBERT MULLOR, Hector (TU Dortmund)

Session Classification: WG 7

Contribution ID: 73

Type: **not specified**

CPV in charmed baryons (theory)

Tuesday 19 September 2023 14:45 (30 minutes)

Presenter: YU, Fu-Sheng (Lanzhou University)

Session Classification: WG 7

Contribution ID: 74

Type: **not specified**

CPV in charmed baryons (experimental)

Tuesday 19 September 2023 15:15 (30 minutes)

Presenter: Dr UKLEJA, Artur (AGH University of Science and Technology (PL))

Session Classification: WG 7

Contribution ID: 75

Type: **not specified**

Symmetry methods in charm

Presenter: GAVRILOVA, Margarita (Cornell)

Session Classification: WG 7

Contribution ID: 76

Type: **not specified**

Earth mover's distance as a measure of CP violation

Tuesday 19 September 2023 15:45 (30 minutes)

Presenter: YOUSSEF, Ahmed (University of Cincinnati)

Session Classification: WG 7

Contribution ID: 77

Type: **not specified**

HQE, mixing and lifetimes

Thursday 21 September 2023 17:20 (30 minutes)

Presenter: LENZ, Alexander

Session Classification: WG 7

Contribution ID: 78

Type: **not specified**

HFLAV Charm CPV and oscillations

Thursday 21 September 2023 17:50 (30 minutes)

Presenter: BRODZICKA, Jolanta (INP PAS Krakow)

Session Classification: WG 7

Contribution ID: 79

Type: **not specified**

Mixing and indirect CPV in charm decays at LHCb

Thursday 21 September 2023 18:20 (30 minutes)

Presenter: BETTI, Federico (The University of Edinburgh (GB))

Session Classification: WG 7

Contribution ID: **80**

Type: **not specified**

Measurements of CPV and phases in charm decays at BESIII

Thursday 21 September 2023 18:50 (30 minutes)

Presenter: GAO, Yang

Session Classification: WG 7

Contribution ID: **81**

Type: **not specified**

WG1 summary

Friday 22 September 2023 09:30 (25 minutes)

Session Classification: Plenary session

Contribution ID: **82**

Type: **not specified**

WG2 summary

Friday 22 September 2023 09:55 (25 minutes)

Session Classification: Plenary session

Contribution ID: **83**

Type: **not specified**

WG3 summary

Friday 22 September 2023 10:20 (25 minutes)

Session Classification: Plenary session

Contribution ID: **84**

Type: **not specified**

WG4 summary

Session Classification: Plenary session

Contribution ID: **85**

Type: **not specified**

WG5 summary

Friday 22 September 2023 11:30 (25 minutes)

Session Classification: Plenary session

Contribution ID: **86**

Type: **not specified**

WG6 summary

Friday 22 September 2023 11:55 (25 minutes)

Presenters: KNUE, Andrea Helen (Technische Universitaet Dortmund (DE)); CHEN, Kai-Feng (National Taiwan University (TW)); Prof. TAKEUCHI, michihisa (Sun Yat-sen University)

Session Classification: Plenary session

Contribution ID: 87

Type: **not specified**

WG7 summary

Friday 22 September 2023 12:20 (25 minutes)

Session Classification: Plenary session

Contribution ID: **88**

Type: **not specified**

WG4 summary

Friday 22 September 2023 10:45 (25 minutes)

Presenters: DZIURDA, Agnieszka (Polish Academy of Sciences (PL)); HUMAIR, Thibaud (Max Planck Society (DE)); Dr SHTABOVENKO, Vladyslav (University of Siegen)

Session Classification: Plenary session

Contribution ID: **89**

Type: **not specified**

Direct CP violation measurements with charmless B decays at Belle II

Tuesday 19 September 2023 11:50 (20 minutes)

Presenter: DORIGO, Mirco (INFN Trieste)

Session Classification: WG 5

Contribution ID: 90

Type: **not specified**

CP violation measurements in three-body Charmless B decays at LHCb

Tuesday 19 September 2023 12:10 (20 minutes)

Presenter: FALCAO FERREIRA, Lucas Nicholas (CBPF - Brazilian Center for Physics Research (BR))

Session Classification: WG 5

Contribution ID: 91

Type: **not specified**

Search for CP violation in Baryons

Tuesday 19 September 2023 12:30 (20 minutes)

Presenter: MANCUSO, Chiara (Université Paris-Saclay (FR), Università degli Studi di Milano (IT), INFN Sezione di Milano (IT))

Session Classification: WG 5

Contribution ID: 92

Type: **not specified**

Three-body non-leptonic B decays in QCD factorization

Tuesday 19 September 2023 11:30 (20 minutes)

Presenter: HUBER, Tobias (Siegen U)

Session Classification: WG 5

Contribution ID: 93

Type: **not specified**

Measurement of Branching ratios in hadronic B to charm decays at Belle/Belle2

Wednesday 20 September 2023 11:30 (20 minutes)

Presenter: VOBBILSETTI, Vidya Sagar (IJCLab (Orsay))

Session Classification: WG 5

Contribution ID: 94

Type: **not specified**

Branching fractions and CP asymmetry in three-body decays p-QCD

Presenter: LI, Ying (Peking University)

Session Classification: WG 5

Contribution ID: 95

Type: **not specified**

Inputs from BESIII for gamma

Monday 18 September 2023 17:15 (20 minutes)

Presenter: ZHOU, Xiaokang (CCNU)

Session Classification: WG 5

Contribution ID: 96

Type: **not specified**

New physics in $B_q - \bar{B}_q$ in connection with CKM γ

Tuesday 19 September 2023 09:00 (20 minutes)

Presenter: MALAMI, Eleftheria

Session Classification: WG 4 & 5

Contribution ID: 97

Type: **not specified**

New results of the CKM angle γ/ϕ_3 at Belle (II)

Monday 18 September 2023 17:35 (20 minutes)

Presenter: TRABELSI, Karim (LAL)

Session Classification: WG 5

Contribution ID: 98

Type: **not specified**

Decay-time dependent measurements of the CKM angle γ at LHCb

Tuesday 19 September 2023 09:20 (20 minutes)

Presenter: FUHRING, Quentin (Technische Universität Dortmund (DE))

Session Classification: WG 4 & 5

Contribution ID: 99

Type: **not specified**

New results of gamma measurements in ADS, GLW-like decays at LHCb

Monday 18 September 2023 17:55 (20 minutes)

Presenter: STANISLAUS, Seophine (University of Oxford (GB))

Session Classification: WG 5

Contribution ID: **100**

Type: **not specified**

Measurements of CKM angle γ and parameters related to mixing and CP violation in the charm at LHCb

Tuesday 19 September 2023 09:40 (20 minutes)

Presenter: MACKAY, Innes (University of Oxford (GB))

Session Classification: WG 4 & 5

Contribution ID: **101**

Type: **not specified**

Handling correlated systematic errors in γ measurements combination among experiments: lead to open discussion LHCb/Belle (II)/BESIII

Tuesday 19 September 2023 17:55 (20 minutes)

Presenter: GILMAN, Alexander Leon (University of Oxford (GB))

Session Classification: WG 4 & 5

Contribution ID: **102**

Type: **not specified**

Recent results on leptonic/rare decays at Belle/Belle II

Thursday 21 September 2023 17:20 (30 minutes)

Presenter: SERRANO, Justine (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France)

Session Classification: WG 2 & 3

Contribution ID: **103**

Type: **not specified**

Lattice/Theory overview of baryon decays

Session Classification: WG 1 & 2

Contribution ID: **104**

Type: **not specified**

Charmed meson lifetimes and prospects for future determinations of V_{cs} , V_{cd} at Belle / Belle II

Tuesday 19 September 2023 09:00 (30 minutes)

Presenter: SCHWARZ, Alan

Session Classification: WG 1

Contribution ID: **105**

Type: **not specified**

Experimental status of Vcs and Vcd

Tuesday 19 September 2023 09:30 (30 minutes)

Presenter: WANG, Tengjiao

Session Classification: WG 1

Contribution ID: **106**

Type: **not specified**

Overview of D form factors and decay constants (lattice)

Tuesday 19 September 2023 10:00 (40 minutes)

Presenter: JAY, William (Fermi National Accelerator Laboratory)

Session Classification: WG 1

Contribution ID: **107**

Type: **not specified**

Discussion

Tuesday 19 September 2023 10:40 (20 minutes)

Session Classification: WG 1

Contribution ID: **108**

Type: **not specified**

Global fit, proposal for $K_{\mu 3}/K_{\mu 2}$ measurement, CKM first row unitarity

Wednesday 20 September 2023 09:00 (30 minutes)

Primary author: MOULSON, Matthew (INFN e Laboratori Nazionali di Frascati (IT))

Presenter: MOULSON, Matthew (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: WG 1

Contribution ID: **109**

Type: **not specified**

New measurement of $KS \rightarrow \pi e \nu$ at KLOE-2

Wednesday 20 September 2023 09:30 (30 minutes)

Presenter: PASSERI, Antonio (Universita e INFN Roma Tre (IT))

Session Classification: WG 1

Contribution ID: **110**

Type: **not specified**

Input to Vus from lattice QCD including the progress on hyperon decays

Wednesday 20 September 2023 10:00 (30 minutes)

Presenter: ERBEN, Felix

Session Classification: WG 1

Contribution ID: 111

Type: **not specified**

Effective Field Theory for neutron β decay

Wednesday 20 September 2023 10:30 (30 minutes)

Primary author: DEKENS, Wouter

Presenter: DEKENS, Wouter

Session Classification: WG 1

Contribution ID: 112

Type: **not specified**

Improved radiative corrections for $K\ell 3$ decays and superallowed beta decays

Thursday 21 September 2023 11:30 (35 minutes)

Primary author: GORSHTEYN, Misha

Presenter: GORSHTEYN, Misha

Session Classification: WG 1

Contribution ID: 113

Type: **not specified**

Neutron decay asymmetry: PERKEO III vs. aSPECT

Thursday 21 September 2023 12:05 (30 minutes)

Primary author: SCHMIDT, Ulrich

Presenter: SCHMIDT, Ulrich

Session Classification: WG 1

Contribution ID: **114**

Type: **not specified**

Updates for PERC

Thursday 21 September 2023 12:35 (30 minutes)

Primary author: MÄRKISCH, Bastian

Presenter: MÄRKISCH, Bastian

Session Classification: WG 1

Contribution ID: 115

Type: **not specified**

Prospects for PIONEER

Thursday 21 September 2023 13:05 (25 minutes)

Primary author: HOFERICHTER, Martin

Presenter: HOFERICHTER, Martin

Session Classification: WG 1

Contribution ID: 116

Type: **not specified**

Rare top decays (FCNCs, cLFV, etc)

Thursday 21 September 2023 16:00 (20 minutes)

Presenter: ASILAR, Ece (Hanyang University)

Session Classification: WG 6

Contribution ID: **117**

Type: **not specified**

Discussion

Thursday 21 September 2023 16:20 (5 minutes)

Session Classification: WG 6

Contribution ID: **118**

Type: **not specified**

Higgs and CP-violation

Monday 18 September 2023 17:15 (20 minutes)

Presenters: SANTOS, Rui (ISEL); SANTOS, Rui (ISEL and CFTC-UL)

Session Classification: WG 6

Contribution ID: **119**

Type: **not specified**

Discussion

Monday 18 September 2023 17:35 (10 minutes)

Session Classification: WG 6

Contribution ID: 120

Type: **not specified**

Extra Higgs searches

Monday 18 September 2023 17:45 (20 minutes)

Presenter: TAO, Junquan (Institute of High Energy Physics, Chinese Academy of Sciences (CN))

Session Classification: WG 6

Contribution ID: **121**

Type: **not specified**

Discussion

Monday 18 September 2023 18:05 (10 minutes)

Session Classification: WG 6

Contribution ID: 122

Type: **not specified**

Higgs to fermion decays

Monday 18 September 2023 18:15 (20 minutes)

Presenter: CUEVAS, Javier (Universidad de Oviedo (ES))

Session Classification: WG 6

Contribution ID: **123**

Type: **not specified**

Discussion

Monday 18 September 2023 18:35 (10 minutes)

Session Classification: WG 6

Contribution ID: 124

Type: **not specified**

Discussion

Tuesday 19 September 2023 16:20 (5 minutes)

Session Classification: WG 6

Contribution ID: 125

Type: **not specified**

Measurement of ϕ and $\bar{\phi}$ at LHCb

Monday 18 September 2023 14:45 (20 minutes)

Presenter: CRUZ TORRES, Melissa Maria (CBPF - Brazilian Center for Physics Research (BR))

Session Classification: WG4

Contribution ID: 126

Type: **not specified**

Measurement of the CP-violating phase φ_s at CMS

Monday 18 September 2023 15:05 (20 minutes)

Presenter: BRAGAGNOLO, Alberto (Università e INFN, Padova (IT))

Session Classification: WG4

Contribution ID: 127

Type: **not specified**

Measurement of $\sin^2\phi$ and $\sin^2\phi_{\text{eff}}$ at Belle and Belle II

Monday 18 September 2023 15:25 (30 minutes)

Presenter: UEMATSU, Yuma

Session Classification: WG4

Contribution ID: 128

Type: **not specified**

Measurements of $\sin 2\beta$ at LHCb

Monday 18 September 2023 15:55 (20 minutes)

Presenter: LATHAM, Thomas (University of Warwick (GB))

Session Classification: WG4

Contribution ID: **129**

Type: **not specified**

Theory determination of γ and φ_s from $B(s) \rightarrow hh$ decays

Thursday 21 September 2023 11:30 (30 minutes)

Presenters: VOS, Keri (Nikhef National institute for subatomic physics (NL)); Dr VOS, Keri (University of Maastricht)

Session Classification: WG4

Contribution ID: 130

Type: **not specified**

NNLO QCD corrections to $\Delta\Gamma(s)$ in the $B(s) - \bar{B}(s)$ system

Thursday 21 September 2023 12:00 (30 minutes)

Presenter: REECK, Pascal (Karlsruhe Institute of Technology)

Session Classification: WG4

Contribution ID: 131

Type: **not specified**

Update on SU(3)-breaking ratios and bag parameters for B(s) mesons

Thursday 21 September 2023 12:30 (30 minutes)

Presenter: ERBEN, Felix

Session Classification: WG4

Contribution ID: **132**

Type: **not specified**

UTFit Session

Session Classification: WG 5

Contribution ID: 133

Type: **not specified**

Rare kaon and charm decays at LHCb

Monday 18 September 2023 15:10 (25 minutes)

Presenter: NAIK, Paras (University of Liverpool (GB))

Session Classification: WG 3

Contribution ID: 134

Type: **not specified**

Differential BR and angular analyses in rare **b decays at LHCb**

Wednesday 20 September 2023 12:45 (25 minutes)

Presenter: EGEDE, Ulrik (Monash University (AU))

Session Classification: WG 3

Contribution ID: 135

Type: **not specified**

LFU in rare b decays at LHCb

Wednesday 20 September 2023 11:55 (25 minutes)

Presenter: BORSATO, Martino (Universita & INFN, Milano-Bicocca (IT))

Session Classification: WG 3

Contribution ID: 136

Type: **not specified**

Radiative b decays at Belle/Belle II

Wednesday 20 September 2023 12:20 (25 minutes)

Presenters: SERRANO, Justine (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France); TIWARY, Rahul (Tata Institute of Fundamental Research, Mumbai)

Session Classification: WG 3

Contribution ID: 137

Type: **not specified**

Update and outlook of rare K decays at NA62

Tuesday 19 September 2023 15:10 (25 minutes)

Presenter: KOVAL, Michal (Charles University (CZ))

Session Classification: WG 3

Contribution ID: 138

Type: **not specified**

Search for $K_L \rightarrow \pi^0 \nu\nu$ at KOTO

Tuesday 19 September 2023 15:35 (25 minutes)

Presenters: SHIOMI, koji (High Energy Accelerator Research Organization); SHIOMI, koji (Kyoto university)

Session Classification: WG 3

Contribution ID: **139**

Type: **not specified**

$B \rightarrow K + \text{invisible}$ at Belle II

Thursday 21 September 2023 14:45 (25 minutes)

Presenter: STEFKOVA, Slavomira

Session Classification: WG 3

Contribution ID: 140

Type: **not specified**

LFV b decays at Belle and LHCb

Thursday 21 September 2023 15:10 (25 minutes)

Presenter: MOHANTY, Gagan (Tata Inst. of Fundamental Research (IN))

Session Classification: WG 3

Contribution ID: **141**

Type: **not specified**

Overview on $B(s) \rightarrow \mu\mu$

Thursday 21 September 2023 15:35 (25 minutes)

Presenter: FEDI, Giacomo (Imperial College (GB))

Session Classification: WG 3

Contribution ID: 142

Type: **not specified**

Rare charm decays at BESIII

Thursday 21 September 2023 16:25 (25 minutes)

Presenter: LI, Zhijun (Sun Yat-Sen University)

Session Classification: WG 3

Contribution ID: 143

Type: **not specified**

Discussion

Thursday 21 September 2023 09:48 (24 minutes)

Session Classification: WG 2

Contribution ID: 144

Type: **not specified**

Towards extracting γ from $B \rightarrow DK$ without binning

Monday 18 September 2023 18:15 (20 minutes)

Presenter: SCHACHT, Stefan (University of Manchester)

Session Classification: WG 5

Contribution ID: 145

Type: **not specified**

A summary of the UTFit latest results, with the inclusion of D-Dbar mixing observables, with both SM and NP fits/predictions

Tuesday 19 September 2023 17:35 (20 minutes)

Presenter: BONA, Marcella (Queen Mary University of London (UK))

Session Classification: WG 4 & 5

Contribution ID: 146

Type: **not specified**

Data-driven determination of charm-loop effects in $B \rightarrow K^* \mu \mu$ decay

Wednesday 20 September 2023 11:30 (25 minutes)

Presenter: MAURI, Andrea (Imperial College (GB))

Session Classification: WG 3

Contribution ID: 147

Type: **not specified**

Closing

Friday 22 September 2023 12:45 (20 minutes)

Presenter: Prof. SCHWARTZ, Alan (University of Cincinnati (US))

Session Classification: Closing