

CKM 2025 - 13th International Workshop on the CKM Unitarity Triangle

Report of Contributions

Contribution ID: 1

Type: **not specified**

WG1 summary

Friday 19 September 2025 09:00 (20 minutes)

Session Classification: Plenary session: WG summaries

Contribution ID: 2

Type: **not specified**

WG2 summary

Friday 19 September 2025 09:25 (20 minutes)

Session Classification: Plenary session: WG summaries

Contribution ID: 3

Type: **not specified**

WG3 summary

Friday 19 September 2025 09:50 (20 minutes)

Session Classification: Plenary session: WG summaries

Contribution ID: 4

Type: **not specified**

WG4 summary

Friday 19 September 2025 10:15 (20 minutes)

Session Classification: Plenary session: WG summaries

Contribution ID: 5

Type: **not specified**

WG5 summary

Friday 19 September 2025 11:10 (20 minutes)

Session Classification: Plenary session: WG summaries

Contribution ID: 6

Type: **not specified**

WG6 summary

Friday 19 September 2025 11:35 (20 minutes)

Session Classification: Plenary session: WG summaries

Contribution ID: 7

Type: **not specified**

WG7 summary

Friday 19 September 2025 12:00 (20 minutes)

Session Classification: Plenary session: WG summaries

Contribution ID: 8

Type: **not specified**

Review on the Lattice

Monday 15 September 2025 17:10 (20 minutes)

Presenter: TSANG, Tobias (CERN)

Session Classification: Plenary Session

Contribution ID: 9

Type: **not specified**

Review on Kaon physics results

Monday 15 September 2025 17:35 (30 minutes)

Presenter: Dr SWALLOW, Joel (INFN - Laboratori Nazionali di Frascati)

Session Classification: Plenary Session

Contribution ID: **10**

Type: **not specified**

Review on Charm physics results

Monday 15 September 2025 16:45 (20 minutes)

Presenter: TUCI, Giulia (Heidelberg University (DE))

Session Classification: Plenary Session

Contribution ID: **11**

Type: **not specified**

Review on phenomenology

Monday 15 September 2025 09:30 (30 minutes)

Presenter: BORDONE, Marzia (University of Zürich and CERN)

Session Classification: Plenary Session

Contribution ID: 12

Type: **not specified**

Beta decay and Lepton universality

Monday 15 September 2025 18:10 (20 minutes)

Presenter: POCANIC, Dinko (University of Virginia (US))

Session Classification: Plenary Session

Contribution ID: 13

Type: **not specified**

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

Monday 15 September 2025 18:35 (20 minutes)

Presenter: IGURO, Syuhei (Nagoya University)

Session Classification: Plenary Session

Contribution ID: **14**

Type: **not specified**

Review of hadron colliders

Monday 15 September 2025 10:40 (30 minutes)

Presenter: BLANC, Fred (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: Plenary Session

Contribution ID: 15

Type: **not specified**

Review of e^+e^- colliders

Monday 15 September 2025 10:05 (30 minutes)

Presenter: PRELL, Soeren Andre (Iowa State University (US))

Session Classification: Plenary Session

Contribution ID: **16**

Type: **not specified**

test

Session Classification: WG7

Contribution ID: 17

Type: **not specified**

Latest news from $b \rightarrow s \mu \mu$ at LHCb (15'+5')

Thursday 18 September 2025 11:50 (20 minutes)

Presenter: SMITH, Eluned Anne (Massachusetts Inst. of Technology (US))

Session Classification: WG3

Contribution ID: **18**

Type: **not specified**

Angular analysis of $b \rightarrow s e e$ at LHCb (15'+5')

Thursday 18 September 2025 12:10 (20 minutes)

Presenter: PAOLUCCI, Lorenzo (The University of Manchester (GB))

Session Classification: WG3

Contribution ID: **19**

Type: **not specified**

Lepton Flavour Universality tests in FCNC (15'+5')

Thursday 18 September 2025 11:30 (20 minutes)

Presenters: MARSHALL, Alex (University of Bristol (GB)); MARSHALL, Alexander Mclean

Session Classification: WG3

Contribution ID: 20

Type: **not specified**

Theory update for $b \rightarrow sll$ decays (15'+5')

Thursday 18 September 2025 12:30 (20 minutes)

Presenters: CAPDEVILA, Bernat; VIRTO, Javier (Universitat de Barcelona)

Session Classification: WG3

Contribution ID: 21

Type: **not specified**

Rare and radiative $B_s \rightarrow \mu\mu\gamma$ (15'+5')

Thursday 18 September 2025 12:50 (20 minutes)

Presenter: NORMAND, Camille (University of Bristol (GB))

Session Classification: WG3

Contribution ID: 22

Type: **not specified**

Overview of the lepton flavour violating $b \rightarrow s \ell \ell'$ decays

Session Classification: WG3

Contribution ID: 23

Type: **not specified**

Experimental status of $K^+ \rightarrow \pi^+ \nu \nu$ decay (15'+5')

Tuesday 16 September 2025 09:00 (20 minutes)

Presenters: PICCINI, Mauro; PICCINI, Mauro (INFN - Sezione di Perugia (IT))

Session Classification: WG3

Contribution ID: 24

Type: **not specified**

Experimental status of $K_0 \rightarrow \pi^0 \nu \bar{\nu}$ (15'+5')

Tuesday 16 September 2025 09:20 (20 minutes)

Presenter: LIN, Chieh (National Changhua University of Education)

Session Classification: WG3

Contribution ID: 25

Type: **not specified**

Rare strange decays at LHCb (15'+5')

Tuesday 16 September 2025 09:40 (20 minutes)

Presenter: FERNANDEZ GOMEZ, Miguel (Universidade de Santiago de Compostela (ES))

Session Classification: WG3

Contribution ID: 26

Type: **not specified**

Theory overview of rare kaon decays (15'+5')

Tuesday 16 September 2025 10:00 (20 minutes)

Presenters: DERY, Avital; DERY, Avital; DERY, Avital; DERY, Avital (Weizmann Institute of Science (IL))

Session Classification: WG3

Contribution ID: 27

Type: **not specified**

Experimental overview of rare charm decays (15'+5')

Tuesday 16 September 2025 10:20 (20 minutes)

Presenter: LAN, Qiang

Session Classification: WG3

Contribution ID: 28

Type: **not specified**

Effective Field Theory analysis of rare charm decays (15'+5')

Tuesday 16 September 2025 10:40 (20 minutes)

Presenter: GISBERT, Hector

Session Classification: WG3

Contribution ID: 29

Type: **not specified**

Rare B decays at CMS and Atlas (15'+5')

Thursday 18 September 2025 13:10 (20 minutes)

Presenter: LUKASHENKO, Valeriia (University of Zurich (CH))

Session Classification: WG3

Contribution ID: 30

Type: **not specified**

B $\rightarrow$ K $\nu \nu$ measurements and prospects (18'+4')

Wednesday 17 September 2025 11:30 (22 minutes)

Presenters: GANIEV, Eldar (INFN - National Institute for Nuclear Physics); GANIEV, Eldar (DESY); GANIEV, Eldar (Budker Institute of Nuclear Physics (RU))

Session Classification: WG3

Contribution ID: **31**

Type: **not specified**

Experimental status of $B \rightarrow K \tau \tau$ ($18'+4'$)

Wednesday 17 September 2025 11:52 (22 minutes)

Presenters: ROUT, Niharika; ROUT, Niharika (INFN Trieste); ROUT, Niharika

Session Classification: WG3

Contribution ID: 32

Type: **not specified**

Overview of the lepton flavour violating $b \rightarrow s \ell \ell'$ decays (18'+4')

Wednesday 17 September 2025 12:14 (22 minutes)

Presenter: RAMA, Matteo (INFN Pisa (IT))

Session Classification: WG3

Contribution ID: 33

Type: **not specified**

What can we learn from the $B \rightarrow K \nu \nu$ measurements? (18'+4')

Wednesday 17 September 2025 12:36 (22 minutes)

Presenter: ROSAURO-ALCARAZ, Salvador

Session Classification: WG3

Contribution ID: 34

Type: **not specified**

Weak radiative B decays to NNLO with full charm mass dependence (20'+4')

Monday 15 September 2025 11:45 (24 minutes)

We present next-to-next-to-leading order predictions for the decay $\bar{B} \rightarrow X_s \gamma$. Special emphasis is put on the recently completed $\mathcal{O}(\alpha_s^2)$ corrections to the interference of the photonic dipole operator Q_7 and the current-current operators Q_1 and Q_2 .

We provide updated results for the branching ratio with reduced uncertainties.

Presenters: STEINHAUSER, Matthias; STEINHAUSER, Matthias (KIT)

Session Classification: WG3

Contribution ID: 35

Type: **not specified**

B $\rightarrow$ X_s gamma and other radiative decays in Belle II (20'+4')

Monday 15 September 2025 12:10 (24 minutes)

Presenter: CARVALHO, Ana Luisa (DESY)

Session Classification: WG3

Contribution ID: 36

Type: **not specified**

Rare radiative B hadron decays in LHCb (20'+4')

Monday 15 September 2025 12:35 (24 minutes)

Presenter: LAVRA, Lais

Session Classification: WG3

Contribution ID: 37

Type: **not specified**

$|V_{ub}|$ measurements: Exclusive and inclusive semileptonic decays at Belle II (20'+4')

Tuesday 16 September 2025 09:00 (24 minutes)

Presenter: HOHMANN, Marcel (CERN)

Session Classification: WG2

Contribution ID: **38**

Type: **not specified**

$|V_{cb}|$ measurements at Belle II (20'+4')

Tuesday 16 September 2025 09:24 (24 minutes)

Presenter: HORAK, Philipp (University of Victoria)

Session Classification: WG2

Contribution ID: 39

Type: **not specified**

Status and prospects of LFU and angular measurements at Belle II (20'+4')

Wednesday 17 September 2025 09:00 (24 minutes)

Presenter: TSAKLIDIS, Ilias (University of Bonn)

Session Classification: WG2

Contribution ID: 40

Type: **not specified**

Leptonic B decays: $B \rightarrow \ell \nu$ at Belle II (22'+8')

Thursday 18 September 2025 14:45 (30 minutes)

Presenter: JACOBI, Daniel (University of Bonn)

Session Classification: WG2

Contribution ID: 41

Type: **not specified**

Simultaneous determination of γ and charm mixing and CPV parameters at LHCb (20'+5')

Tuesday 16 September 2025 15:55 (25 minutes)

Presenter: BERTOLIN, Alessandro (Universita e INFN, Padova (IT))

Session Classification: WG4 & WG5 & WG7

Contribution ID: 42

Type: **not specified**

Global fit analysis of γ and charm mixing and CPV parameters (UTFit) (20'+5')

Tuesday 16 September 2025 16:20 (25 minutes)

Presenters: SILVESTRINI, Luca; SILVESTRINI, Luca (INFN, Rome)

Session Classification: WG4 & WG5 & WG7

Contribution ID: 43

Type: **not specified**

BESIII measurement of strong parameters of charm decays (22'+8')

Tuesday 16 September 2025 17:15 (30 minutes)

Presenter: ZHANG, Shunan (University of Oxford (GB))

Session Classification: WG4 & WG5 & WG7

Contribution ID: 44

Type: **not specified**

HFLAV news (22'+8')

Tuesday 16 September 2025 17:45 (30 minutes)

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

Session Classification: WG4 & WG5 & WG7

Contribution ID: 45

Type: **not specified**

Mixing and time-dependent CP violation at LHCb (20'+5')

Tuesday 16 September 2025 15:20 (25 minutes)

Presenter: REISS, Flo (University of Freiburg (DE))

Session Classification: WG7

Contribution ID: 46

Type: **not specified**

Progress in lattice QCD in studying CPV and mixing in charm (27'+8')

Tuesday 16 September 2025 14:45 (35 minutes)

Presenter: ERBEN, Felix (CERN)

Session Classification: WG7

Contribution ID: 47

Type: **not specified**

CP violation in charm decays (theory) (20'+4')

Monday 15 September 2025 14:15 (24 minutes)

Presenter: PISCOPO, Maria Laura

Session Classification: WG7

Contribution ID: 48

Type: **not specified**

CP violation in charm decays at Belle (II) (20'+4')

Monday 15 September 2025 14:39 (24 minutes)

Presenters: DAS, Sanjeeda Bharati; DAS, Sanjeeda Bharati; DAS, Sanjeeda Bharati (MNIT Jaipur)

Session Classification: WG7

Contribution ID: 49

Type: **not specified**

CP violation in charm decays at LHCb (20'+4')

Monday 15 September 2025 15:27 (24 minutes)

Presenter: BALZANI, Luca (Technische Universitaet Dortmund (DE))

Session Classification: WG7

Contribution ID: 50

Type: **not specified**

Final state interactions in charm decays (20'+4')

Monday 15 September 2025 15:03 (24 minutes)

Presenter: SOLOMONIDI, Eleftheria

Session Classification: WG7

Contribution ID: 51

Type: **not specified**

Magnetic and electric dipole moments of charmed baryons at ALADDIN (25'+5')

Tuesday 16 September 2025 12:40 (30 minutes)

Presenter: JAIMES ELLES, Sergio Javier

Session Classification: WG7

Contribution ID: 52

Type: **not specified**

CP violation in charmed baryons at LHCb and Belle (II) (15'+5')

Tuesday 16 September 2025 12:20 (20 minutes)

Presenter: CARBONE, Angelo (University of Bologna and INFN (IT))

Session Classification: WG7

Contribution ID: 53

Type: **not specified**

Charmed baryons decays and CPV (20'+5')

Tuesday 16 September 2025 11:55 (25 minutes)

Presenter: XING, Zhi-Peng (NanJing Normal University)

Session Classification: WG7

Contribution ID: 54

Type: **not specified**

Determination of CKM matrix elements in FCCC decays at LHCb (20'+4')

Tuesday 16 September 2025 09:48 (24 minutes)

Presenter: GLASER, Fabian Christoph (Heidelberg University (DE), Université Paris-Saclay (FR))

Session Classification: WG2

Contribution ID: 55

Type: **not specified**

Angular analyses of charged current decays at LHCb (20'+4')

Wednesday 17 September 2025 09:48 (24 minutes)

Presenter: NUR, Hasret (University of Glasgow (GB))

Session Classification: WG2

Contribution ID: 56

Type: **not specified**

Higher-order sum rules for multibody hadronic charm decays (20'+5')

Tuesday 16 September 2025 11:30 (25 minutes)

Presenter: GAVRILOVA, Margarita (Cornell)

Session Classification: WG7

Contribution ID: 57

Type: **not specified**

Determination of CKM matrix elements in FCCC decays at LHCb

Session Classification: WG2

Contribution ID: 58

Type: **not specified**

Angular analyses of charged current decays at LHCb

Session Classification: WG2

Contribution ID: 59

Type: **not specified**

Testing $SU(3)_F$ symmetry in hadronic D decays (20'+4')

Monday 15 September 2025 15:51 (24 minutes)

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

Session Classification: WG7

Contribution ID: **60**

Type: **not specified**

Prospects of CKM matrix elements at FCC-ee (20'+4')

Tuesday 16 September 2025 10:12 (24 minutes)

Presenter: MONTEIL, Stephane (Université Clermont Auvergne (FR))

Session Classification: WG2

Contribution ID: **61**

Type: **not specified**

Tests of LFU in tree-level b-hadron decays at LHCb (20'+4')

Wednesday 17 September 2025 09:24 (24 minutes)

Presenter: GIOVENTÙ, Alessandra (University of Barcelona (ES))

Session Classification: WG2

Contribution ID: **62**

Type: **not specified**

Time-dependent measurement of γ at LHCb (15'+5')

Tuesday 16 September 2025 18:35 (20 minutes)

Presenter: LUPATO, Anna (Università di Bergamo & INFN Padova)

Session Classification: WG4 & WG5

Contribution ID: **63**

Type: **not specified**

Report from CKMfit (15'+5')

Tuesday 16 September 2025 18:15 (20 minutes)

Presenter: DESCHAMPS, Olivier

Session Classification: WG4 & WG5

Contribution ID: 64

Type: **not specified**

Prospect for measurement of CP-violating observables in $B_s \rightarrow D_s K$ decays at a future Z factory (15'+5')

Tuesday 16 September 2025 18:55 (20 minutes)

Presenter: CHEN, Shanzhen (Chinese Academy of Sciences (CN))

Session Classification: WG4 & WG5

Contribution ID: 65

Type: **not specified**

Overview of γ determinations and implications for new physics (20'+4')

Monday 15 September 2025 11:45 (24 minutes)

Presenter: LENZ, Alexander

Session Classification: WG5

Contribution ID: 66

Type: **not specified**

Time-integrated measurements of γ at LHCb (20'+4')

Monday 15 September 2025 12:10 (24 minutes)

Presenter: ZHANG, Shunan (University of Oxford (GB))

Session Classification: WG5

Contribution ID: 67

Type: **not specified**

Direct CPV in B decay at Belle II (20'+4')

Monday 15 September 2025 12:35 (24 minutes)

Presenters: HUMAIR, Thibaud (DESY); HUMAIR, Thibaud (Deutsches Elektronen-Synchrotron (DE))

Session Classification: WG5

Contribution ID: 68

Type: **not specified**

CPV in b-baryon decays (22'+8')

Thursday 18 September 2025 15:45 (30 minutes)

Presenter: Prof. YU, Fu-Sheng (Lanzhou University)

Session Classification: WG5

Contribution ID: 69

Type: **not specified**

CPV in baryon decays at LHCb (22'+8')

Thursday 18 September 2025 16:15 (30 minutes)

Presenter: ADLARSON, Patrik (Uppsala University (SE))

Session Classification: WG5

Contribution ID: 70

Type: **not specified**

Overview of recent progress in QCD factorisation for non-leptonic B-meson decays (20'+5')

Thursday 18 September 2025 17:15 (25 minutes)

Presenter: BÖER, Philipp

Session Classification: WG5

Contribution ID: 71

Type: **not specified**

Recent results on $B \rightarrow VV$ decays at LHCb (20'+5')

Thursday 18 September 2025 17:40 (25 minutes)

Presenter: MONK, Matthew David (University of Warwick (GB))

Session Classification: WG5

Contribution ID: 72

Type: **not specified**

Multi-body charmless decays at LHCb (20'+5')

Thursday 18 September 2025 18:05 (25 minutes)

Presenter: MARIANI, Edoardo (Centre National de la Recherche Scientifique (FR), LPNHE, Sorbonne Université)

Session Classification: WG5

Contribution ID: 73

Type: **not specified**

Updated study of CP asymmetries and SU(3)F breaking effects in B2pipi, KK, Kpi (20'+5')

Thursday 18 September 2025 18:30 (25 minutes)

Presenter: BURGOS MARCOS, Marta (Nikhef National institute for subatomic physics (NL))

Session Classification: WG5

Contribution ID: 74

Type: **not specified**

Measuring time-dependent CP violation without signal vertexing at B factories (20'+4')

Tuesday 16 September 2025 11:54 (24 minutes)

Presenter: DORIGO, Mirco (INFN Trieste)

Session Classification: WG4

Contribution ID: 75

Type: **not specified**

Measurements of $\sin(2\phi_{2\text{eff}})$ and constraint on $\sin(2\phi_2)$ at Belle and Belle II (20'+4')

Tuesday 16 September 2025 11:30 (24 minutes)

Presenter: OKUBO, Ryogo (Nagoya University)

Session Classification: WG4

Contribution ID: 76

Type: **not specified**

Latest measurement of ϕ_s from CMS and ATLAS (20'+4')

Tuesday 16 September 2025 12:18 (24 minutes)

Presenter: SIMONETTO, Franco (Universita e INFN, Padova (IT))

Session Classification: WG4

Contribution ID: 77

Type: **not specified**

Towards high-precision measurements on mixing phases ϕ_d , ϕ_s , properly including penguin contributions (20'+4')

Tuesday 16 September 2025 12:42 (24 minutes)

Presenter: DE BRUYN, Kristof

Session Classification: WG4

Contribution ID: 78

Type: **not specified**

Measuring the angle α_s of the flattest Unitary Triangle with $B^{\pm}d \rightarrow \phi K^{(*)0}$, $B^{\pm}s \rightarrow \phi K^{(*)0}$ decays (20'+4')

*Tuesday 16 September 2025 13:06 (24 minutes)***Presenter:** Dr ALEKSAN, Roy**Session Classification:** WG4

Contribution ID: 79

Type: **not specified**

Measurements of mixing-induced CP violation at LHCb (20'+4')

Thursday 18 September 2025 11:30 (24 minutes)

Presenter: BELLAVISTA, Alberto (Universita e INFN, Bologna (IT))

Session Classification: WG4

Contribution ID: **80**

Type: **not specified**

Measurement of Bs mixing parameters at LHCb (20'+4')

Thursday 18 September 2025 11:54 (24 minutes)

Presenter: GOODING, Jamie (Technische Universitaet Dortmund (DE))

Session Classification: WG4

Contribution ID: **81**

Type: **not specified**

Measurements of $\sin(2\phi_1)$ and $\sin(2\phi_1^{\text{eff}})$ at Belle and Belle II (20'+4')

Thursday 18 September 2025 12:18 (24 minutes)

Presenter: CHEN, Chunhui (Iowa State University (US))

Session Classification: WG4

Contribution ID: 82

Type: **not specified**

B-Bbar mixing: Width difference and CP asymmetry in flavour-specific decays at next-to-next-leading order of QCD and more (20'+4')

Thursday 18 September 2025 12:42 (24 minutes)

Abstract:

I present new results for the QCD corrections to the leading term in the $1/m_b$ expansion of the B-B-bar decay matrix element, which is now completely determined to three-loop order. These results permit a more precise Standard-Model prediction of the width differences $\Delta\Gamma_{d,s}$ and the CP asymmetries in flavour-specific (e.g. semi-leptonic) decays, $a_{fs}^{d,s}$, for the B_d - B_d -bar and B_s - B_s -bar mixing complexes. The perturbative uncertainty of the well-measured $\Delta\Gamma_s$ now matches the experimental error. I further discuss the benefits of better measurements of $\Delta\Gamma_d$ and a_{fs}^d , which will provide novel insight into possible new physics in B_d - B_d -bar mixing.

Presenter: Prof. NIERSTE, Ulrich**Session Classification:** WG4

Contribution ID: 83

Type: **not specified**

How large could CP violation in B meson mixing be? Implications for baryogenesis and upcoming searches (20'+4')

Thursday 18 September 2025 13:06 (24 minutes)

Presenter: Mr MIRÓ ARENAS, Carlos (IFIC (CSIC - U. Valencia))

Session Classification: WG4

Contribution ID: **84**

Type: **not specified**

Measurements of time-dependent CP violation in the gluonic and radiative penguin decays at Belle and Belle II (22'+8')

Thursday 18 September 2025 14:45 (30 minutes)

Presenter: WATANUKI, Shun

Session Classification: WG4

Contribution ID: 85

Type: **not specified**

New measurement of B0 lifetime at ATLAS (22'+8')

Thursday 18 September 2025 15:15 (30 minutes)

Presenter: WALKOWIAK, Wolfgang (Universitaet Siegen (DE))

Session Classification: WG4

Contribution ID: 86

Type: **not specified**

Measurement of the Neutron Lifetime at J-PARC (20'+4')

Tuesday 16 September 2025 17:15 (24 minutes)

Presenter: Prof. MISHIMA, Kenji

Session Classification: WG1

Contribution ID: 87

Type: **not specified**

Measurement of Neutron Decay Correlations in Nab (20'+4')

Tuesday 16 September 2025 17:39 (24 minutes)

Presenter: Dr SCHREYER, Wolfgang

Session Classification: WG1

Contribution ID: **88**

Type: **not specified**

Data-driven methods for radiative corrections in V_{ud} / V_{us} (20'+4')

Tuesday 16 September 2025 18:03 (24 minutes)

Presenter: GORSHTEYN, Mikhail

Session Classification: WG1

Contribution ID: 89

Type: **not specified**

Results in Effective Field Theory relevant to radiative corrections for V_{ud} and V_{us} (20'+4')

Presenter: DEKENS (TENTATIVE), Wouter

Session Classification: WG1

Contribution ID: **90**

Type: **not specified**

Review of lattice results for V_{us} and V_{ud} ($20'+4'$)

Tuesday 16 September 2025 18:27 (24 minutes)

Presenter: SIMONE, James

Session Classification: WG1

Contribution ID: **91**

Type: **not specified**

Summary and prospects of experimental results for Vus (20'+4')

Wednesday 17 September 2025 09:00 (24 minutes)

Presenter: SWALLOW, Joel

Session Classification: WG1

Contribution ID: 92

Type: **not specified**

Lattice results regarding electromagnetic corrections to hadronic decays (20'+4')

Wednesday 17 September 2025 09:24 (24 minutes)

Presenter: PORTELLI, Antonin

Session Classification: WG1

Contribution ID: 93

Type: **not specified**

tau inclusive decays including QED radiative corrections (20'+4')

Wednesday 17 September 2025 09:48 (24 minutes)

Presenter: DI CARLO, Matteo

Session Classification: WG1

Contribution ID: 94

Type: **not specified**

Experimental studies of leptonic D decays (20'+4')

Wednesday 17 September 2025 10:12 (24 minutes)

Presenter: WU, Xiao

Session Classification: WG1

Contribution ID: 95

Type: **not specified**

Lattice results regarding D-meson decays relevant for the V_{cd} and V_{cs} ($20'+4'$)

Thursday 18 September 2025 09:00 (24 minutes)

Presenter: KUBERSKI, Simon

Session Classification: WG1

Contribution ID: 96

Type: **not specified**

Results in phenomenology relevant to Inclusive D decays (20'+4')

Thursday 18 September 2025 09:24 (24 minutes)

Presenter: QIN, Qin

Session Classification: WG1

Contribution ID: 97

Type: **not specified**

Results in Effective Field Theory relevant to Vcs and Beyond Standard Model (20'+4')

Thursday 18 September 2025 09:48 (24 minutes)

Presenter: VAN DYK, Danny

Session Classification: WG1

Contribution ID: 98

Type: **not specified**

Phenomenology of B(s) and D(s) semileptonic decays to η and η' (PENDING APPROVAL)

Session Classification: WG1

Contribution ID: 99

Type: **not specified**

Electromagnetic corrections to leptonic Ds decays (20'+4')

Thursday 18 September 2025 10:12 (24 minutes)

Presenter: BISWAS, Aritra

Session Classification: WG1

Contribution ID: **100**

Type: **not specified**

Prospects of experimental studies in the charm sector (20'+4')

Thursday 18 September 2025 10:36 (24 minutes)

Presenter: ZHANG, Yu

Session Classification: WG1

Contribution ID: **101**

Type: **not specified**

Prospects of CKM matrix elements at near-future detectors (LHCb III and Belle-II) (20'+4')

Tuesday 16 September 2025 10:36 (24 minutes)

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

Session Classification: WG2

Contribution ID: **102**

Type: **not specified**

$B \rightarrow D^*$ angular analyses (20'+4')

Wednesday 17 September 2025 10:12 (24 minutes)

Presenter: VITTORIO, Ludovico

Session Classification: WG2

Contribution ID: **103**

Type: **not specified**

$B_s \rightarrow D_s^{**}$ decays using lattice QCD (22'+8')

Thursday 18 September 2025 16:15 (30 minutes)

Presenter: BARONE, Alessandro (Johannes Gutenberg University Mainz)

Session Classification: WG2

Contribution ID: **104**

Type: **not specified**

$B \rightarrow X_u$ decays (22'+8')

Thursday 18 September 2025 15:15 (30 minutes)

Presenter: Dr VOS, Keri (University of Maastricht)

Session Classification: WG2

Contribution ID: **105**

Type: **not specified**

$B \rightarrow X_c$ decays (22'+8')

Thursday 18 September 2025 15:45 (30 minutes)

Presenter: FINAURI, Gael

Session Classification: WG2

Contribution ID: **106**

Type: **not specified**

S-wave contributions to $B \rightarrow D\pi\ell\nu$ decays (20'+4')

Wednesday 17 September 2025 10:36 (24 minutes)

Presenter: VAN TONDER, Raynette (Karlsruhe Institute of Technology)

Session Classification: WG2

Contribution ID: **107**

Type: **not specified**

Model-independent parameterization of $B \rightarrow \pi\pi\ell\nu$ decays (20'+6')

Thursday 18 September 2025 17:15 (26 minutes)

Presenter: HERREN, Florian (UZH)

Session Classification: WG2

Contribution ID: **108**

Type: **not specified**

Unitarity bounds for B decays with subthreshold cuts (20'+6')

Thursday 18 September 2025 17:41 (26 minutes)

Presenter: REBOUD, M  ril (CNRS - IJClab)

Session Classification: WG2

Contribution ID: **109**

Type: **not specified**

$B_{(s)} \rightarrow \pi(K)$ form factors using lattice QCD (20'+6')

Thursday 18 September 2025 18:07 (26 minutes)

Presenter: ROBERTS, Logan (University of Glasgow)

Session Classification: WG2

Contribution ID: **110**

Type: **not specified**

Experimental studies of semileptonic D decays (20'+4')

Wednesday 17 September 2025 10:36 (20 minutes)

Presenter: LI, Hui

Session Classification: WG1

Contribution ID: **111**

Type: **not specified**

Charm prospects at FCC-ee (15'+5')

Tuesday 16 September 2025 13:10 (20 minutes)

Presenters: MITZEL, Dominik; MITZEL, Dominik Stefan (Technische Universitaet Dortmund (DE))

Session Classification: WG7

Contribution ID: 112

Type: **not specified**

Theory overview of single- and di-Higgs production (20'+4')

Presenter: TBD

Session Classification: WG6

Contribution ID: **113**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **114**

Type: **not specified**

Theoretical overview of Higgs decays to fermions (20'+8')

Monday 15 September 2025 14:15 (28 minutes)

Presenter: TAMMARO, Michele (INFN)

Session Classification: WG6

Contribution ID: **115**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **116**

Type: **not specified**

Di-Higgs production and Higgs self coupling measurements at LHC (22'+8')

Monday 15 September 2025 14:43 (30 minutes)

Presenter: BELFKIR, Mohamed (United Arab Emirates University (AE))

Session Classification: WG6

Contribution ID: **117**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **118**

Type: **not specified**

Measurements of Higgs yukawa couplings at LHC (22'+8')

Monday 15 September 2025 15:13 (30 minutes)

Presenter: MARCHEGIANI, Matteo (ETHZ - ETH Zurich)

Session Classification: WG6

Contribution ID: **119**

Type: **not specified**

Discussion+buffer

Session Classification: WG6

Contribution ID: **120**

Type: **not specified**

Spin correlation and entanglement at colliders (20'+4')

Tuesday 16 September 2025 16:13 (24 minutes)

Presenter: TENTORI, Simone (UCLouvain)

Session Classification: WG6

Contribution ID: **121**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **122**

Type: **not specified**

Theoretical predictions for toponium production at the LHC (20'+8')

Tuesday 16 September 2025 14:45 (28 minutes)

Presenter: LIMATOLA, Giovanni

Session Classification: WG6

Contribution ID: **123**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: 124

Type: **not specified**

Spin correlation and entanglement in top and Higgs sector at LHC (22'+8')

Tuesday 16 September 2025 15:13 (30 minutes)

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

Session Classification: WG6

Contribution ID: **125**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: 126

Type: **not specified**

Search for pseudo-scalars decaying to top anti-top pairs and toponium (22'+8')

Tuesday 16 September 2025 15:43 (30 minutes)

Presenter: GIORDANO, Cristina (Austrian Academy of Sciences (AT))

Session Classification: WG6

Contribution ID: **127**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **128**

Type: **not specified**

Theoretical overview on CP-violation at high p_T (20'+8')

Thursday 18 September 2025 09:00 (28 minutes)

Presenter: MIRALLES, Victor (University of Manchester)

Session Classification: WG6

Contribution ID: **129**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **130**

Type: **not specified**

Search for CP-violation in top production and decay at LHC (22'+8')

Thursday 18 September 2025 09:28 (30 minutes)

Presenters: WANG, Haichen; WANG, Haichen (Lawrence Berkeley National Lab. (US))

Session Classification: WG6

Contribution ID: **131**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **132**

Type: **not specified**

LFU and LFV in top quark processes at LHC (22'+8')

Thursday 18 September 2025 09:58 (30 minutes)

Presenter: MITRA, Soureek (Indian Institute of Science Education and Research Mohali (IN))

Session Classification: WG6

Contribution ID: **133**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: 134

Type: **not specified**

Single top production and direct measurement of V_{td} , V_{ts} , V_{tb} at LHC (22'+8')

Thursday 18 September 2025 10:28 (30 minutes)

Presenter: FARAJ, Mohammed (Abdus Salam Int. Cent. Theor. Phys. (IT))

Session Classification: WG6

Contribution ID: **135**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: 136

Type: **not specified**

Phenomenology of $B_{(s)}$ and $D_{(s)}$ semileptonic decays to η and η' (20'+6')

Thursday 18 September 2025 18:33 (26 minutes)

Presenter: MELIC, Blazenska (IRB, Zagreb)

Session Classification: WG2

Contribution ID: **137**

Type: **not specified**

W mass measurement (22'+8')

Wednesday 17 September 2025 11:30 (30 minutes)

Presenter: ALEXE, Cristina (INFN Pisa)

Session Classification: WG6

Contribution ID: **138**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **139**

Type: **not specified**

Searches for heavy resonances (HNL, Leptoquarks, VLQ) (22'+8')

Wednesday 17 September 2025 12:00 (30 minutes)

Presenters: URREJOLA PEREIRA, Pedro Salvador (Johannes-Gutenberg-Universitaet Mainz (DE)); UR-REJOLA, Pedro (Universidad San Sebastian (USS) (CL))

Session Classification: WG6

Contribution ID: **140**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **141**

Type: **not specified**

Future physics prospects at HL-LHC (20'+8')

Wednesday 17 September 2025 12:30 (30 minutes)

Presenter: MASTRAPASQUA, Paola (Universite Catholique de Louvain (UCL) (BE))

Session Classification: WG6

Contribution ID: **142**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: 143

Type: **not specified**

Measurement of rare top processes and their interpretations (22'+8')

Presenter: ATLAS SPEAKER

Session Classification: WG6

Contribution ID: **144**

Type: **not specified**

Discussion

Session Classification: WG6

Contribution ID: **145**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **146**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **147**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **148**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **149**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **150**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **151**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **152**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **153**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **154**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **155**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **156**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: **157**

Type: **not specified**

Welcome and introduction

Monday 15 September 2025 09:00 (10 minutes)

Presenters: DORDEI, Francesca (INFN, Cagliari (IT)); DETTORI, Francesco (Universita e INFN, Cagliari (IT))

Session Classification: Welcome

Contribution ID: **158**

Type: **not specified**

Welcome from INFN Cagliari and University of Cagliari

Monday 15 September 2025 09:10 (20 minutes)

Presenters: CARDINI, Alessandro (INFN Cagliari, Italy); SAITTA, Biagio (Universita e INFN, Cagliari (IT)); Prof. SABA, Michele (UniCa Physics Department)

Session Classification: Welcome

Contribution ID: **160**

Type: **not specified**

Discussion

Session Classification: WG3

Contribution ID: **161**

Type: **not specified**

Discussion

Session Classification: WG3

Contribution ID: **162**

Type: **not specified**

Discussion

Session Classification: WG3

Contribution ID: **163**

Type: **not specified**

Discussion

Session Classification: WG5

Contribution ID: **164**

Type: **not specified**

Discussion

Session Classification: WG5

Contribution ID: **165**

Type: **not specified**

Discussion

Session Classification: WG5

Contribution ID: **166**

Type: **not specified**

Discussion

Session Classification: WG4 & WG5 & WG7

Contribution ID: **167**

Type: **not specified**

Discussion

Session Classification: WG4 & WG5 & WG7

Contribution ID: **168**

Type: **not specified**

Discussion

Session Classification: WG4 & WG5 & WG7

Contribution ID: **169**

Type: **not specified**

Discussion

Session Classification: WG4 & WG5 & WG7

Contribution ID: 170

Type: **not specified**

Measurement of rare top processes and their interpretations (22'+8')

Monday 15 September 2025 15:43 (28 minutes)

Presenter: NEGRINI, Matteo (Universita e INFN, Bologna (IT))

Session Classification: WG6

Contribution ID: **171**

Type: **not specified**

Discussion

Session Classification: WG7

Contribution ID: 172

Type: **not specified**

Boosting the search for matter-antimatter asymmetries of oscillating charmed mesons with accelerators at LHCb (8 + 2')

Tuesday 16 September 2025 15:45 (10 minutes)

Presenter: MARTINELLI, Maurizio (Universita & INFN, Milano-Bicocca (IT))

Session Classification: WG7

Contribution ID: **173**

Type: **not specified**

Discussion

Tuesday 16 September 2025 18:51 (24 minutes)

Session Classification: WG1