

Challenges in Semileptonic B Decays

Report of Contributions

Contribution ID: 2

Type: **not specified**

B to D(*) theory overview

Tuesday, April 19, 2022 4:00 PM (30 minutes)

Presenter: VAN DYK, Danny (TU München)

Session Classification: Heavy to heavy exclusive

Contribution ID: 3

Type: **not specified**

B to D* form factors on the lattice I

Tuesday, April 19, 2022 4:30 PM (30 minutes)

Presenter: VAQUERO AVILÉS-CASCO, Alejandro (University of Utah)

Session Classification: Heavy to heavy exclusive

Contribution ID: 4

Type: **not specified**

Belle measurements of B to D(*) l nu

Contribution ID: 5

Type: **not specified**

Belle measurements of B to D(*) l v

Tuesday, April 19, 2022 5:00 PM (30 minutes)

Presenter: MRVAR, Manca (Austrian Academy of Sciences (AT))

Session Classification: Heavy to heavy exclusive

Contribution ID: 6

Type: **not specified**

Lattice calculations of exclusive b to u l v

Wednesday, April 20, 2022 5:00 PM (30 minutes)

Presenter: WITZEL, Oliver (Universität Siegen)

Session Classification: Heavy to light exclusive

Contribution ID: 7

Type: **not specified**

Fermilab update

Wednesday, April 20, 2022 5:30 PM (20 minutes)

Presenter: EL-KHADRA, Aida

Session Classification: Heavy to light exclusive

Contribution ID: 8

Type: **not specified**

Light cone sum rules calculations for b to u channels

Wednesday, April 20, 2022 5:50 PM (30 minutes)

Presenter: KHODJAMIRIAN, Alexander (University of Siegen)

Session Classification: Heavy to light exclusive

Contribution ID: 9

Type: **not specified**

B->D* angular analysis in LHCb

Tuesday, April 19, 2022 6:00 PM (20 minutes)

Presenter: GRILLO, Lucia (University of Glasgow (GB))

Session Classification: Heavy to heavy exclusive

Contribution ID: **10**

Type: **not specified**

Vcb at LHCb with B and Bs decays

Tuesday, April 19, 2022 6:20 PM (20 minutes)

Presenter: DORIGO, Mirco (INFN Trieste)

Session Classification: Heavy to heavy exclusive

Contribution ID: 11

Type: **not specified**

R(D)-R(D*) status and prospects at Belle

Wednesday, April 20, 2022 11:30 AM (20 minutes)

Presenter: BERNLOCHNER, Florian Urs (University of Bonn (DE))

Session Classification: Heavy to heavy exclusive

Contribution ID: 12

Type: **not specified**

Semileptonic b decays at CMS

Wednesday, April 20, 2022 11:50 AM (30 minutes)

Presenter: LANDSBERG, Greg (Brown University (US))

Session Classification: Heavy to heavy exclusive

Contribution ID: 13

Type: **not specified**

Babar analyses

Tuesday, April 19, 2022 6:40 PM (20 minutes)

Presenter: DEY, Biplab (Eotvos U.)

Session Classification: Heavy to heavy exclusive

Contribution ID: 14

Type: **not specified**

HPQCD calculations for H->H

Wednesday, April 20, 2022 9:30 AM (30 minutes)

Presenter: HARRISON, Judd

Session Classification: Heavy to heavy exclusive

Contribution ID: 15

Type: **not specified**

Vcb and $R(D^{(*)})$ using lattice QCD and unitarity

Wednesday, April 20, 2022 10:00 AM (30 minutes)

Presenter: SIMULA, Silvano (INFN - Sezione di Roma Tre)

Session Classification: Heavy to heavy exclusive

Contribution ID: 16

Type: **not specified**

R(D) and R(D*): status and prospects

Wednesday, April 20, 2022 10:30 AM (30 minutes)

Presenter: CIEZAREK, Gregory Max (CERN)

Session Classification: Heavy to heavy exclusive

Contribution ID: 17

Type: **not specified**

b-baryon semileptonic decays

Wednesday, April 20, 2022 12:20 PM (20 minutes)

Presenter: OWEN, Patrick Haworth (University of Zurich (CH))

Session Classification: Heavy to heavy exclusive

Contribution ID: **18**

Type: **not specified**

Inclusive Vcb

Wednesday, April 20, 2022 3:35 PM (20 minutes)

Presenter: BORDONE, Marzia (CERN)

Session Classification: Heavy to heavy inclusive

Contribution ID: 19

Type: **not specified**

q2 moments in the HQE

Wednesday, April 20, 2022 3:55 PM (20 minutes)

Presenter: VOS, Keri (Universiteit Maastricht (NL))

Session Classification: Heavy to heavy inclusive

Contribution ID: 20

Type: **not specified**

Three loop calculations for inclusive semileptonic B decays

Wednesday, April 20, 2022 3:05 PM (30 minutes)

Presenter: FAEL, Matteo (KIT Karlsruhe)

Session Classification: Heavy to heavy inclusive

Contribution ID: 21

Type: **not specified**

Inclusive semileptonic B decays at Belle (II)

Wednesday, April 20, 2022 4:15 PM (20 minutes)

Presenter: VAN TONDER, Raynette

Session Classification: Heavy to heavy inclusive

Contribution ID: 22

Type: **not specified**

Fits for Vub exclusive

Wednesday, April 20, 2022 6:20 PM (20 minutes)

Presenter: NANDI, Soumitra (University of Torino)

Session Classification: Heavy to light exclusive

Contribution ID: 23

Type: **not specified**

JLQCD form factors for $B \rightarrow D^{(*)} l \nu$

Thursday, April 21, 2022 9:30 AM (30 minutes)

Presenter: KANEKO, Takashi

Session Classification: Heavy to heavy inclusive

Contribution ID: 24

Type: **not specified**

Inclusive decays on the lattice

Thursday, April 21, 2022 10:00 AM (30 minutes)

Presenter: HASHIMOTO, Shoji (KEK)

Session Classification: Heavy to heavy inclusive

Contribution ID: 25

Type: **not specified**

Bs \rightarrow Xc l v at LHCb

Thursday, April 21, 2022 10:30 AM (30 minutes)

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

Session Classification: Heavy to heavy inclusive

Contribution ID: 26

Type: **not specified**

Heavy to light exclusive at Belle (II)

Thursday, April 21, 2022 11:50 AM (30 minutes)

Presenter: SCHWANDA, Christoph (Austrian Academy of Sciences (AT))

Session Classification: Heavy to light exclusive

Contribution ID: 27

Type: **not specified**

Bs -> K at LHCb

Thursday, April 21, 2022 11:30 AM (20 minutes)

Presenter: KHANJI, Basem (Technische Universitaet Dortmund (DE))

Session Classification: Heavy to light exclusive

Contribution ID: 28

Type: **not specified**

Inclusive charmless decays at Belle (II)

Presenter: CAO, Lu (University of Bonn)

Session Classification: Heavy to light exclusive

Contribution ID: 29

Type: **not specified**

Inclusive charmless decays at Belle (II)

Friday, April 22, 2022 9:30 AM (30 minutes)

Presenter: CAO, Lu (University of Bonn)

Session Classification: Heavy to light inclusive

Contribution ID: **30**

Type: **not specified**

Inclusive theory overview

Friday, April 22, 2022 10:00 AM (30 minutes)

Presenter: PAZ, Gil (Wayne State University)

Session Classification: Heavy to light inclusive

Contribution ID: 31

Type: **not specified**

Vub and radiative decays with SIMBA

Friday, April 22, 2022 10:30 AM (30 minutes)

Presenter: LIGETI, Zoltan (Lawrence Berkeley National Lab. (US))

Session Classification: Heavy to light inclusive

Contribution ID: 32

Type: **not specified**

The spectrum of $b \rightarrow s$ gamma with neural networks

Friday, April 22, 2022 11:30 AM (20 minutes)

Presenter: LUNGI, Enrico (Indiana University)

Session Classification: Heavy to light inclusive

Contribution ID: 33

Type: **not specified**

Vub/Vcb inclusive at Belle

Friday, April 22, 2022 11:50 AM (20 minutes)

Presenter: HOHMANN, Marcel

Session Classification: Heavy to light inclusive

Contribution ID: 34

Type: **not specified**

Subleading perturbative corrections

Friday, April 22, 2022 12:10 PM (20 minutes)

Presenter: CAPDEVILA, Bernat (University of Turin)

Session Classification: Heavy to light inclusive

Contribution ID: 35

Type: **not specified**

Testing New Physics in $R(D^{(*)})$ at the LHC

Friday, April 22, 2022 12:30 PM (30 minutes)

Presenter: WATANABE, Ryoutaro (INFN Pisa)

Session Classification: Heavy to light inclusive

Contribution ID: 36

Type: **not specified**

Probing the structure of the B meson with B to $ll'\nu$

Thursday, April 21, 2022 12:20 PM (30 minutes)

Presenter: BHARUCHA, Aoife (CNRS)

Session Classification: Heavy to light exclusive

Contribution ID: 37

Type: **not specified**

Prospects of lattice calculations

Saturday, April 23, 2022 9:00 AM (30 minutes)

Presenter: KRONFELD, Andreas

Session Classification: Future prospects

Contribution ID: **38**

Type: **not specified**

Experimental prospects at Belle II

Saturday, April 23, 2022 9:30 AM (20 minutes)

Presenter: SCHWANDA, Christoph (Austrian Academy of Sciences (AT))

Session Classification: Future prospects

Contribution ID: 39

Type: **not specified**

Experimental prospects at LHCb

Saturday, April 23, 2022 9:50 AM (20 minutes)

Presenter: BOZZI, Concezio (INFN Ferrara)

Session Classification: Future prospects

Contribution ID: 40

Type: **not specified**

B to D ffs with LCSRs**

Thursday, April 21, 2022 4:30 PM (10 minutes)

Presenter: GUBERNARI, Nico (Universität Siegen)

Session Classification: Heavy to heavy exclusive

Contribution ID: 41

Type: **not specified**

Dispersive matrix analysis of B to pi

Thursday, April 21, 2022 4:40 PM (10 minutes)

Presenter: VITTORIO, Ludovico (SNS, Pisa)

Session Classification: Heavy to heavy exclusive

Contribution ID: 42

Type: **not specified**

B to D* fits

Thursday, April 21, 2022 4:50 PM (15 minutes)

Presenter: JUNG, Martin (Università di Torino & INFN)

Session Classification: Heavy to heavy exclusive

Contribution ID: 43

Type: **not specified**

The treatment of photons in experiments

Friday, April 22, 2022 3:00 PM (30 minutes)

Presenter: BERNLOCHNER, Florian Urs (University of Bonn (DE))

Session Classification: QED corrections

Contribution ID: 44

Type: **not specified**

Playing with Photos

Friday, April 22, 2022 3:30 PM (30 minutes)

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

Session Classification: QED corrections

Contribution ID: 45

Type: **not specified**

Discussion

Friday, April 22, 2022 4:15 PM (15 minutes)

Presenter: SCHACHT, Stefan (University of Manchester)

Session Classification: QED corrections

Contribution ID: 46

Type: **not specified**

Comments on Vub/Vcb from Bs->K

Friday, April 22, 2022 4:00 PM (15 minutes)

Presenter: LUNGHI, Enrico (Indiana University)

Session Classification: QED corrections

Contribution ID: 47

Type: **not specified**

Discussion topics

Thursday, April 21, 2022 2:30 PM (1 hour)

Presenter: SCHACHT, Stefan (University of Manchester)

Session Classification: Heavy to heavy exclusive

Contribution ID: 48

Type: **not specified**

Contribution to the discussion

Thursday, April 21, 2022 3:30 PM (30 minutes)

Presenter: SIMULA, Silvano (INFN - Sezione di Roma Tre)

Session Classification: Heavy to heavy exclusive