

# CLFV2019 : The 3rd International Conference on Charged Lepton Flavor Violation



## Report of Contributions

Contribution ID: 0

Type: **not specified**

## **Introduction, Welcome, and Themes**

*Monday, June 17, 2019 9:00 AM (15 minutes)*

**Presenter:** TOJO, Junji (Kyushu University)

**Session Classification:** Session 1

Contribution ID: 1

Type: **not specified**

## Local Welcome

*Monday, June 17, 2019 9:15 AM (15 minutes)*

**Presenter:** ARATONO, Makoto (Kyushu University)

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## Theory Overview

*Monday, June 17, 2019 9:30 AM (1 hour)*

**Presenter:** OKADA, Yasuhiro (KEK)

**Session Classification:** Session 1

Contribution ID: 5

Type: **not specified**

## **MEG: Status and Upgrades**

*Monday, June 17, 2019 1:50 PM (40 minutes)*

**Presenter:** RENGA, Francesco (INFN Pisa)

**Session Classification:** Session 3

Contribution ID: 6

Type: **not specified**

## **Mu3e**

*Monday, June 17, 2019 2:30 PM (40 minutes)*

**Presenter:** SCHOENING, Andre (Ruprecht-Karls-Universitaet Heidelberg)

**Session Classification:** Session 3

Contribution ID: 7

Type: **not specified**

## DeeMe

*Monday, June 17, 2019 3:40 PM (40 minutes)*

**Presenter:** AOKI, Masaharu (Osaka University)

**Session Classification:** Session 4

Contribution ID: 8

Type: **not specified**

## COMET

*Monday, June 17, 2019 4:20 PM (40 minutes)*

**Presenter:** CHEN, Wu (Osaka University)

**Session Classification:** Session 4



Contribution ID: 9

Type: **not specified**

## **Mu2e**

*Monday, June 17, 2019 5:00 PM (40 minutes)*

**Presenter:** PEZZULLO, Gianantonio (Yale University)

**Session Classification:** Session 4

Contribution ID: **10**

Type: **not specified**

## **Searches for CLFV at Current and Future Colliders**

*Tuesday, June 18, 2019 9:00 AM (50 minutes)*

**Presenter:** SCHMIDT, Michael (The University of New South Wales)

**Session Classification:** Session 5

Contribution ID: 11

Type: **not specified**

## **Extended Higgs Sectors and CLFV**

*Tuesday, June 18, 2019 9:50 AM (40 minutes)*

**Presenter:** NOMURA, Takaaki (KIAS)

**Session Classification:** Session 5

Contribution ID: 12

Type: **not specified**

## **Lepton-flavor-violating decays into axion-like particles**

*Tuesday, June 18, 2019 11:10 AM (40 minutes)*

**Presenter:** CALIBBI, Lorenzo (Nankai University)

**Session Classification:** Session 6

Contribution ID: 13

Type: **not specified**

## Searches for charged lepton flavor violation with CMS and ATLAS

*Tuesday, June 18, 2019 11:50 AM (40 minutes)*

**Presenter:** KALSI, Amandeep Kaur (Université libre de Bruxelles)

**Session Classification:** Session 6

Contribution ID: 14

Type: **not specified**

## **CLFV, Lepton Magnetic Moments and EDMs**

*Tuesday, June 18, 2019 2:30 PM (50 minutes)*

**Presenter:** HISANO, Junji (Nagoya University)

**Session Classification:** Session 7

Contribution ID: 15

Type: **not specified**

## **CLFV and Neutrino Mass Models**

*Tuesday, June 18, 2019 3:20 PM (50 minutes)*

**Presenter:** ABADA, Asmaa (Laboratoire de Physique Theorique, CNRS)

**Session Classification:** Session 7

Contribution ID: 16

Type: **not specified**

## **Kaon System: NA62**

*Tuesday, June 18, 2019 4:40 PM (40 minutes)*

**Presenter:** GOUDZOVSKI, Evgueni (University of Birmingham)

**Session Classification:** Session 8



Contribution ID: 17

Type: **not specified**

## **g-2 & Low-Energy Lepton Universality Experiments**

*Tuesday, June 18, 2019 5:20 PM (40 minutes)*

**Presenter:** ROBERTS, Lee (Boston University)

**Session Classification:** Session 8

Contribution ID: **18**

Type: **not specified**

## **Lepton Flavor Universality Violation and CLFV**

*Wednesday, June 19, 2019 9:00 AM (40 minutes)*

**Presenter:** FAJFER, Sveltana (University of Ljubljana and Institute J. Stefan)

**Session Classification:** Session 9

Contribution ID: 19

Type: **not specified**

## Flavor Symmetries and CLFV

*Wednesday, June 19, 2019 9:40 AM (40 minutes)*

**Presenter:** HAGEDORN, Claudia (University of Southern Denmark)

**Session Classification:** Session 9

Contribution ID: **20**

Type: **not specified**

## **BELLE-II/BaBar**

*Wednesday, June 19, 2019 11:00 AM (40 minutes)*

**Presenter:** KONNO, Tomoyuki (Kitasato University)

**Session Classification:** Session 10

Contribution ID: **21**

Type: **not specified**

## **BES-III**

*Wednesday, June 19, 2019 11:40 AM (30 minutes)*

**Presenter:** LUO, Tao (Fudan University)

**Session Classification:** Session 10

Contribution ID: 22

Type: **not specified**

## LHCb

*Wednesday, June 19, 2019 2:10 PM (40 minutes)*

**Presenter:** ONDERWATER, Gerco (University of Groningen)

**Session Classification:** Session 11

Contribution ID: 23

Type: **not specified**

## Poster Winners

*Wednesday, June 19, 2019 3:40 PM (20 minutes)*

**Presenter:** BERNSTEIN, Robert (Fermilab)

**Session Classification:** Session 12

Contribution ID: 24

Type: **not specified**

## Closing and Conclusions

*Wednesday, June 19, 2019 4:00 PM (1 hour)*

**Presenter:** GRANCAGNOLO, Franco (INFN Lecce)

**Session Classification:** Session 12



Contribution ID: 25

Type: **not specified**

## **Effective Field Theory Approach to CLFV**

*Monday, June 17, 2019 11:00 AM (50 minutes)*

**Presenter:** DAVIDSON, Sacha (IPNL, CNRS/IN2P3)

**Session Classification:** Session 2

Contribution ID: 26

Type: **not specified**

## **TauFV : a fixed-target experiment to search for flavour violation in tau decays**

*Wednesday, June 19, 2019 2:50 PM (20 minutes)*

**Presenter:** WILKINSON, Guy (University of Oxford)

**Session Classification:** Session 11

Contribution ID: 27

Type: **not specified**

## **P08 : H-line -A new general-purpose muon beamline at J-PARC MUSE-**

*Monday, June 17, 2019 6:37PM (1 minute)*

**Primary author:** YAMAZAKI, Takayuki (KEK IMSS)

**Presenter:** YAMAZAKI, Takayuki (KEK IMSS)

**Session Classification:** Poster Session

Contribution ID: 28

Type: **not specified**

## **P07 : Design and Fabrication of a Large-Area, High-Sensitivity Cosmic Ray Veto Detector for the Mu2e Experiment**

*Monday, June 17, 2019 6:36 PM (1 minute)*

**Primary author:** BOI, Steven (University of Virginia)

**Presenter:** BOI, Steven (University of Virginia)

**Session Classification:** Poster Session

Contribution ID: 29

Type: **not specified**

## **P04 : Search for Heavy Neutrinos in $\pi^+$ to $\mu^+$ $\nu_\mu$ Decay**

*Monday, June 17, 2019 6:33 PM (1 minute)*

**Primary author:** ITO, Shintaro (Okayama University)

**Presenter:** ITO, Shintaro (Okayama University)

**Session Classification:** Poster Session

Contribution ID: 30

Type: **not specified**

## **P11 : Development of Positron Tracking Detector for Muon $g-2$ /EDM Experiment at J-PARC**

*Monday, June 17, 2019 6:40 PM (1 minute)*

**Primary author:** YAMANAKA, Takashi (RCAPP, Kyushu University)

**Presenter:** YAMANAKA, Takashi (RCAPP, Kyushu University)

**Session Classification:** Poster Session

Contribution ID: 31

Type: **not specified**

## **P02 : Status of Standard Model prediction for muon $g-2$**

*Monday, June 17, 2019 6:31 PM (1 minute)*

**Primary author:** NOMRA, Daisuke (KEK)

**Presenter:** NOMRA, Daisuke (KEK)

**Session Classification:** Poster Session

Contribution ID: 32

Type: **not specified**

## **P19 : Development of the StrECal System for COMET phase-I**

*Monday, June 17, 2019 6:48 PM (1 minute)*

**Primary author:** UENO, Kazuki (KEK)

**Presenter:** UENO, Kazuki (KEK)

**Session Classification:** Poster Session



Contribution ID: 33

Type: **not specified**

## **P01 : Modulus mediation and lepton flavor violation in supersymmetric seesaw**

*Monday, June 17, 2019 6:30 PM (1 minute)*

**Primary author:** OKUMURA, Ken-ich (Kyushu University)

**Presenter:** OKUMURA, Ken-ich (Kyushu University)

**Session Classification:** Poster Session

Contribution ID: 34

Type: **not specified**

## **P10 : Performance Evaluation of the Detectors for the DeeMe Experiment**

*Monday, June 17, 2019 6:39PM (1 minute)*

**Primary author:** TESHIMA, Natsuki (Osaka City University)

**Presenter:** TESHIMA, Natsuki (Osaka City University)

**Session Classification:** Poster Session

Contribution ID: 35

Type: **not specified**

## **P21 : Improved Study for Phase-II of COMET Experiment**

*Monday, June 17, 2019 6:50 PM (1 minute)*

**Primary author:** YAO, Weichao (Osaka University)

**Presenter:** YAO, Weichao (Osaka University)

**Session Classification:** Poster Session

Contribution ID: 36

Type: **not specified**

## **P05 : Search for the Lepton Flavor Violating Decays $Z \rightarrow e\tau$ and $Z \rightarrow \mu\tau$ with the ATLAS Detector**

*Monday, June 17, 2019 6:34 PM (1 minute)*

**Primary author:** PERREVOORT, Ann-Kathrin (Nikhef)

**Presenter:** PERREVOORT, Ann-Kathrin (Nikhef)

**Session Classification:** Poster Session

Contribution ID: 37

Type: **not specified**

## **P14 : Antiproton-induced background in $\mu$ -e conversion experiments**

*Monday, June 17, 2019 6:43 PM (1 minute)*

**Primary author:** MORITSU, Manabu (KEK)

**Presenter:** MORITSU, Manabu (KEK)

**Session Classification:** Poster Session

Contribution ID: 38

Type: **not specified**

## **P13 : Exploration of New Physics – Muon to Positron Transition at COMET experiment**

*Monday, June 17, 2019 6:42 PM (1 minute)*

**Primary author:** WONG, TingSam (Osaka University)

**Presenter:** WONG, TingSam (Osaka University)

**Session Classification:** Poster Session

Contribution ID: 39

Type: **not specified**

## **P20 : Realistic Trigger Simulation for COMET Phase-II**

*Monday, June 17, 2019 6:49 PM (1 minute)*

**Primary author:** FUJII, Yuki (Monash University)

**Presenter:** FUJII, Yuki (Monash University)

**Session Classification:** Poster Session

Contribution ID: 40

Type: **not specified**

## **P06 : Development of ultra-low material RPC for background identification in MEG II experiment**

*Monday, June 17, 2019 6:35 PM (1 minute)*

**Primary author:** OYA, Atsushi (The University of Tokyo)

**Presenter:** OYA, Atsushi (The University of Tokyo)

**Session Classification:** Poster Session



Contribution ID: 41

Type: **not specified**

## **P16 : Development of the Fast Online Trigger System using FPGA-based Classification for COMET Phase-I**

*Monday, June 17, 2019 6:45 PM (1 minute)*

**Primary author:** NAKAZAWA, Yu (Osaka University)

**Presenter:** NAKAZAWA, Yu (Osaka University)

**Session Classification:** Poster Session

Contribution ID: 42

Type: **not specified**

## **P18 : A Study of the Performance of the Tracker and Calorimeter for the COMET Experiment**

*Monday, June 17, 2019 6:47PM (1 minute)*

**Primary author:** OISHI, Kou (Kyushu University)

**Presenter:** OISHI, Kou (Kyushu University)

**Session Classification:** Poster Session

Contribution ID: 43

Type: **not specified**

## **P09 : High precision measurement of muonium hyperfine structure**

*Monday, June 17, 2019 6:38 PM (1 minute)*

**Primary author:** TANAKA, Toya (University of Tokyo, RIKEN)

**Presenter:** TANAKA, Toya (University of Tokyo, RIKEN)

**Session Classification:** Poster Session

Contribution ID: 44

Type: **not specified**

## **P12 : Flexible Printed Circuit Board for Positron Tracking Detector of J-PARC Muon g-2/EDM Experiment**

*Monday, June 17, 2019 6:41 PM (1 minute)*

**Primary author:** YOSHIKAI, Masaru (Fujikura Ltd.)

**Presenter:** YOSHIKAI, Masaru (Fujikura Ltd.)

**Session Classification:** Poster Session

Contribution ID: 45

Type: **not specified**

## **P17 : Performance study of LYSO crystal for the Electromagnetic Calorimeter in the COMET experiment**

*Monday, June 17, 2019 6:46 PM (1 minute)*

**Primary author:** KAWASHIMA, Ryosuke (Kyushu University)

**Presenter:** KAWASHIMA, Ryosuke (Kyushu University)

**Session Classification:** Poster Session

Contribution ID: 46

Type: **not specified**

## **P03 : Search for lepton universality violation in J-PARC E36 Experiment**

*Monday, June 17, 2019 6:32 PM (1 minute)*

**Primary author:** ITO, Hiroshi (ICRR, Univ. of Tokyo)

**Presenter:** ITO, Hiroshi (ICRR, Univ. of Tokyo)

**Session Classification:** Poster Session

Contribution ID: 47

Type: **not specified**

## **P15 : The status and prospects of Cylindrical Drift Chamber for COMET Phase-I**

*Monday, June 17, 2019 6:44 PM (1 minute)*

**Primary author:** YOSHIDA, Hisataka (Osaka University)

**Presenter:** YOSHIDA, Hisataka (Osaka University)

**Session Classification:** Poster Session

Contribution ID: **48**

Type: **not specified**

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