Workshop on ”Flavour changing and conserving processes” 2015 (FCCP2015)

Report of Contributions

https://agenda.infn.it/e/fccp2015

Contribution ID: **7** Type: **not specified**

Introduction

Thursday, 10 September 2015 08:50 (10 minutes)

Session Classification: Session11

Contribution ID: **8** Type: **not specified**

Theory review on the muon g-2

Thursday, 10 September 2015 09:00 (25 minutes)

Presenter: Mr MELNIKOV, Kirill (KIT)

Session Classification: Session11

Contribution ID: **9** Type: **not specified**

Status of muon g-2 experiment at FNAL

Thursday, 10 September 2015 09:25 (35 minutes)

Presenter: Prof. HERTZOG, David (University of Washington)

Session Classification: Session11

Contribution ID: **11** Type: **not specified**

Leading-order hadronic contribution to the electron and muon g-2

Thursday, 10 September 2015 10:00 (25 minutes)

Presenter: Prof. JEGERLEHNER, Fred (DESY Zeuthen)

Session Classification: Session11

Contribution ID: **12** Type: **not specified**

Perspectives on the hadronic contribution to the muon g-2

Thursday, 10 September 2015 11:10 (25 minutes)

Presenter: Dr KNECHT, Marc (CNRS)

Session Classification: Session12

Contribution ID: **13** Type: **not specified**

Review of recent calculations of the hadronic vacuum polarization contribution to a_mu

Thursday, 10 September 2015 11:35 (25 minutes)

Presenter: Dr ZHANG, Zhiqing (LAL Orsay)

Session Classification: Session12

Contribution ID: **14** Type: **not specified**

Leading-order hadronic contributions to the lepton anomalous magnetic moments from the lattice

Thursday, 10 September 2015 12:00 (25 minutes)

Presenter: Dr PETSCHLIES, Marcus (HISKP, Universität Bonn)

Session Classification: Session12

Contribution ID: **15** Type: **not specified**

VMD/HLS approach to the muon (g-2): a solution to the tau−e+e- puzzle

Thursday, 10 September 2015 12:25 (25 minutes)

Presenter: Mr BENAYOUN, Maurice (LPNHE Paris 6/7)

Session Classification: Session12

Contribution ID: **16** Type: **not specified**

A new approach to evaluate the leading hadronic corrections to the muon g-2

Thursday, 10 September 2015 15:00 (25 minutes)

Presenter: TRENTADUE, Luca (PR)

Session Classification: Session13

Contribution ID: **17** Type: **not specified**

Recent developments in the calculation of the hadronic light-by-light contribution to the muon g-2

Thursday, 10 September 2015 15:25 (25 minutes)

Presenter: Dr PROCURA, Massimiliano (University of Vienna and CERN)

Session Classification: Session13

Contribution ID: **18** Type: **not specified**

Hadronic Light by Light corrections to (g-2)μ

Thursday, 10 September 2015 15:50 (25 minutes)

Presenter: Prof. VANDERHAEGHEN, Marc (University Mainz)

Session Classification: Session13

Contribution ID: **19** Type: **not specified**

What does holographic QCD predicts for the light-by-light scattering contribution to (g-2)_mu

Thursday, 10 September 2015 16:15 (25 minutes)

Presenter: CAPPIELLO, Luigi (NA)

Session Classification: Session13

Contribution ID: **20** Type: **not specified**

Hadronic light-by-light contribution to a_mu: extended Nambu-Jona-Lasinio and chiral quarks models

Thursday, 10 September 2015 17:00 (25 minutes)

Presenter: Prof. BIJNENS, Johan Bijnens (Lund University)

Session Classification: Session14

Contribution ID: **21** Type: **not specified**

Hadronic contributions to the muon anomaly in the Constituent Chiral Quark Model

Thursday, 10 September 2015 17:25 (25 minutes)

Presenter: GREYNAT, David (NA)

Session Classification: Session14

Contribution ID: **22** Type: **not specified**

Review on gamma-gamma physics at KLOE

Thursday, 10 September 2015 17:50 (25 minutes)

Presenter: MORICCIANI, Dario (ROMA2)

Session Classification: Session14

Contribution ID: **23** Type: **not specified**

On the precision of a data-driven estimate of the pseudoscalar-pole contribution to hadronic light-by-light scattering in the muon g-2

Thursday, 10 September 2015 18:15 (25 minutes)

Presenter: Dr NYFFELER, Andreas (Harish-Chandra Research Institute, Allahabad, India)

Session Classification: Session14

Contribution ID: **24** Type: **not specified**

Hadronic light-by-light contribution to (g-2)_mu from lattice QCD

Thursday, 10 September 2015 18:40 (25 minutes)

Presenter: LEHNER, Christoph (Brookhaven National Laboratory)

Session Classification: Session14

Contribution ID: **25** Type: **not specified**

Higher-order hadronic and heavy-lepton contributions to the muon g-2

Friday, 11 September 2015 09:00 (25 minutes)

Presenter: Prof. STEINHAUSER, Matthias (KIT)

Session Classification: Sessione21

Contribution ID: **26** Type: **not specified**

Recent developments on the MSSM contribution to the muon g-2

Friday, 11 September 2015 09:25 (25 minutes)

Presenter: STOCKINGER, Dominik (TU Dresden)

Session Classification: Sessione21

Contribution ID: **27** Type: **not specified**

The muon g-2 in two-Higgs-doublet Models

Friday, 11 September 2015 09:50 (25 minutes)

Presenter: Prof. CHUN, Eung Jin Chun (Korea Institute for Advanced Study)

Session Classification: Sessione21

Contribution ID: **28** Type: **not specified**

The muon g-2 and degenerate supersymmetry

Friday, 11 September 2015 10:15 (25 minutes)

Presenter: PATEL, Ketankumar Mohanlal (P)

Session Classification: Sessione21

Contribution ID: **29** Type: **not specified**

Review on measurement of the R ratio at Novosibirsk and ISR, and radiative corrections

Friday, 11 September 2015 15:30 (25 minutes)

Presenter: Dr EIDELMAN, Simon (Budker Institute of Nuclear Physics)

Session Classification: Session22

Contribution ID: **30** Type: **not specified**

Radiative corrections and Monte Carlo generators for low energies

Friday, 11 September 2015 15:55 (25 minutes)

Presenter: MONTAGNA, Guido (PV)

Session Classification: Session22

Contribution ID: **31** Type: **not specified**

Review on transition form factors

Friday, 11 September 2015 16:20 (25 minutes)

Presenter: KUPSC, Andrzej (Uppsala University)

Session Classification: Session22

Contribution ID: **32** Type: **not specified**

Pseudoscalar transition form factors: rare decays, g-2, and mixing angles

Friday, 11 September 2015 16:45 (25 minutes)

Presenter: MASJUAN, Pere (Johannes Gutenberg-Universität Mainz, Institute für Kernphysik)

Session Classification: Session22

Contribution ID: **33** Type: **not specified**

Review on Dark Photon

Friday, 11 September 2015 17:10 (25 minutes)

Presenter: Dr CURCIARELLO, Francesca (Dipartimento di Fisica-Università di Messina)

Session Classification: Session22

Contribution ID: **34** Type: **not specified**

On the interrelationship among leptonic g−2, EDMs and lepton flavor violation

Friday, 11 September 2015 17:55 (25 minutes)

Presenter: Dr PARADISI, Paride (Padua University and INFN, Italy)

Session Classification: Session23

Contribution ID: **35** Type: **not specified**

The EDM in the g-2 experiment

Friday, 11 September 2015 18:20 (25 minutes)

Presenter: Dr CHISLETT, Rebecca (UCL)

Session Classification: Session23

Contribution ID: **36** Type: **not specified**

Radiative mu and tau leptonic decays and the possibility to determine the tau dipole moments

Friday, 11 September 2015 18:45 (25 minutes)

Presenter: FAEL, Matteo (Bern U.)

Session Classification: Session23

Contribution ID: **37** Type: **not specified**

Review on the fine-structure constant and the electron g-2

Friday, 11 September 2015 19:10 (25 minutes)

Presenter: Prof. GUELLATI-KHELIFA, Saïda (Laboratoire Kastler Brossel CNRS-UPMC-ENS)

Session Classification: Session23

Contribution ID: **38** Type: **not specified**

Experimental review on Lepton Universality and Lepton Flavour Violation tests at the B-factories

Saturday, 12 September 2015 08:30 (25 minutes)

Presenter: Dr LUSIANI, Alberto (PI)

Session Classification: Session31

Contribution ID: **41** Type: **not specified**

Status of the Mu3e experiment at PSI

Saturday, 12 September 2015 08:55 (25 minutes)

Presenter: Ms PERREVOORT, Ann-Kathrin (Physics Institute Heidelberg)

Session Classification: Session31

Contribution ID: **42** Type: **not specified**

Status of the MEG experiment at PSI

Saturday, 12 September 2015 09:20 (25 minutes)

Presenter: CEI, Fabrizio (PI)

Session Classification: Session31

Contribution ID: **45** Type: **not specified**

Lepton-flavour-violating decays in theories with Dim-6 operators

Saturday, 12 September 2015 10:55 (25 minutes)

Presenter: Dr PRUNA, Giovanni Marco (Paul Scherrer Institut)

Session Classification: Session32

Contribution ID: **46** Type: **not specified**

Two-Higgs-doublet model facing experimental hints

Friday, 11 September 2015 10:40 (25 minutes)

Presenter: Dr HEECK, Julian (Université Libre de Bruxelles)

Session Classification: Sessione21

Contribution ID: **47** Type: **not specified**

New Physics effects in flavour physics

Thursday, 10 September 2015 10:25 (25 minutes)

Presenter: CRIVELLIN, Andreas (TTP Karlsruhe)

Session Classification: Session11

Contribution ID: **48** Type: **not specified**

Status of the NA62 Experiment

Saturday, 12 September 2015 11:20 (25 minutes)

Presenter: PALLADINO, Vito

Session Classification: Session32

Contribution ID: **49** Type: **not specified**

Search for edm at storage ring

Saturday, 12 September 2015 12:10 (25 minutes)

Presenter: Prof. SEMERTZIDIS, Yannis Kyriakos (Center for Axion and Precision Physics, IBS)

Session Classification: Session32

Contribution ID: **50** Type: **not specified**

Outlook

Saturday, 12 September 2015 12:35 (45 minutes)

Presenter: VAINSHTEIN, Arkady (University of Minnesota)

Session Classification: Session32

Contribution ID: **52** Type: **not specified**

The SHIP Facility at CERN

Saturday, 12 September 2015 11:45 (25 minutes)

Presenter: DE LELLIS, Giovanni (NA)

Session Classification: Session32

Contribution ID: **53** Type: **not specified**

Status of the Mu2e experiment

Saturday, 12 September 2015 09:45 (25 minutes)

Presenter: MISCETTI, Stefano (LNF)

Session Classification: Session31

Contribution ID: **54** Type: **not specified**

Status of the COMET experiment

Saturday, 12 September 2015 10:10 (25 minutes)

Presenter: Prof. DORNAN, Peter (Imperial College, London)

Session Classification: Session31