

**The 13th International
Workshop on Tau Lepton
Physics (TAU2014)**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Monday, September 15, 2014 9:00 AM (10 minutes)

Presenter: STAHL, Achim (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: Opening

Contribution ID: 1

Type: **not specified**

Opening Address

Monday, September 15, 2014 9:10 AM (20 minutes)

Presenter: Dr SCHMEE, Margrethe

Session Classification: Opening

Contribution ID: 2

Type: **not specified**

Brief Introductions/Organization

Monday, September 15, 2014 9:30 AM (10 minutes)

Presenter: NUGENT, Ian Michael (RWTH-Aachen)

Session Classification: Opening

Contribution ID: 3

Type: **not specified**

Overview of Tau Physics Intro: Theory/Experiment

Monday, September 15, 2014 9:40 AM (40 minutes)

Presenters: GONZALEZ-ALONSO, Martin (Universidad de Valencia); GONZALEZ-ALONSO, Martin

Session Classification: Tau Properties I

Contribution ID: 4

Type: **not specified**

Michel Parameter of the Tau Lepton (Belle)

Monday, September 15, 2014 10:20 AM (20 minutes)

Presenters: EPIFANOV, Denis; EPIFANOV, Denis (U)

Session Classification: Tau Properties I

Contribution ID: 5

Type: **not specified**

Radiative Decays (BaBar)

Monday, September 15, 2014 10:40 AM (20 minutes)

Presenter: Mr OBERHOF, Benjamin (INFN SEZIONE DI PISA)

Session Classification: Tau Properties I

Contribution ID: 6

Type: **not specified**

Tau Mass (BES III)

Presenter: LUO, TAO (U)

Contribution ID: 7

Type: **not specified**

The Electric Dipole Moment of the Tau (Belle)

Monday, September 15, 2014 11:30 AM (20 minutes)

Presenter: INAMI, Kenji (Nagoya university)

Session Classification: Tau Properties II

Contribution ID: **8**

Type: **not specified**

Tau EDM (BaBar)

Contribution ID: 9

Type: **not specified**

The lifetime of the tau lepton (Belle)

Monday, September 15, 2014 2:20 PM (25 minutes)

Presenters: SHAPKIN, Mikhail (IHEP); SHAPKIN, Mikhail (Institute for High Energy Physics (RU))

Session Classification: Tau Properties III/Electro-Weak

Contribution ID: **10**

Type: **not specified**

Tau Lifetime (BELLE)

Contribution ID: **11**

Type: **not specified**

Tau Mass (BES III)

Monday, September 15, 2014 2:00 PM (20 minutes)

Presenter: LUO, TAO (U)

Session Classification: Tau Properties III/Electro-Weak

Contribution ID: 12

Type: **not specified**

HFAG Report with Theory Introduction for Vus

Monday, September 15, 2014 2:45 PM (20 minutes)

Presenter: LUSIANI, Alberto (Scuola Normale Superiore and INFN Pisa)

Session Classification: Tau Properties III/Electro-Weak

Contribution ID: 13

Type: **not specified**

Tau->3pipi0nu (BELLE)

Monday, September 15, 2014 12:10 PM (20 minutes)

Presenter: Mr HAYASHII, Hisaki (nara women's university)

Session Classification: Tau Properties II

Contribution ID: 14

Type: **not specified**

Radiative corrections to di-pion tau decays

Tuesday, September 16, 2014 9:30 AM (20 minutes)

Presenter: LOPEZ CASTRO, Gabriel (Cinvestav-IPN)

Session Classification: QCD I

Contribution ID: 15

Type: **not specified**

Tau-data-based inverse moment finite energy sum-rule input to the combined continuum-lattice determination of L_{10}

Tuesday, September 16, 2014 4:30 PM (20 minutes)

Presenter: Prof. GOLTERMAN, Maarten (San Francisco State University)

Session Classification: QCD IV

Contribution ID: 16

Type: **not specified**

Study of an anomalous tau lepton decay using a chiral Lagrangian with vector mesons

Tuesday, September 16, 2014 9:50 AM (20 minutes)

Presenter: Prof. MOROZUMI, Takuya (Hiroshima University)

Session Classification: QCD I

Contribution ID: 17

Type: **not specified**

TBA

Contribution ID: **18**

Type: **not specified**

TBA

Contribution ID: 19

Type: **not specified**

QCD/g-2 Intro: Theory

Tuesday, September 16, 2014 9:00 AM (30 minutes)

Presenters: PICH, Antonio; PICH, Antonio (University of Valencia)

Session Classification: QCD I

Contribution ID: **20**

Type: **not specified**

R-scan (VEPP)

Tuesday, September 16, 2014 10:40 AM (20 minutes)

Presenter: GOLUBEV, Vladimir (Budker Institute of Nuclear Physics)

Session Classification: QCD II

Contribution ID: 21

Type: **not specified**

R-scan (KEDR)

Tuesday, September 16, 2014 11:25 AM (20 minutes)

Presenter: TODYSHEV, Korneliy (BINP)

Session Classification: QCD II

Contribution ID: 22

Type: **not specified**

R-scan/ISR/two-photon (BES III)

Tuesday, September 16, 2014 11:00 AM (25 minutes)

Presenter: DENIG, Achim (Univ. Mainz)

Session Classification: QCD II

Contribution ID: 23

Type: **not specified**

Measurement of Hadronic Cross Section with ISR/Two-Photon Events at Belle (BELLE)

Tuesday, September 16, 2014 2:00 PM (20 minutes)

Presenter: NAKAZAWA, Hideyuki (National Central University)

Session Classification: QCD III

Contribution ID: 24

Type: **not specified**

ISR results from BABAR and g-2

Tuesday, September 16, 2014 2:20 PM (20 minutes)

Presenter: DAVIER, Michel (Lab.de Phys.Nucleaire et de Hautes Energie/LPNHE (LPNHE))

Session Classification: QCD III

Contribution ID: 25

Type: **not specified**

Results and prospects on hadronic cross section and gammagamma physics at kloe/kloe2

Tuesday, September 16, 2014 11:45 AM (20 minutes)

Presenter: Dr MANDAGLIO, Giuseppe

Session Classification: QCD II

Contribution ID: 26

Type: **not specified**

ISR-FSR Interference (BaBar)

Tuesday, September 16, 2014 1:40 PM (20 minutes)

Presenter: WANG, LIANGLIANG

Session Classification: QCD III

Contribution ID: 27

Type: **not specified**

g-2 Theory Update

Tuesday, September 16, 2014 2:40 PM (20 minutes)

Presenter: MARQUARD, Peter (KIT)

Session Classification: QCD III

Contribution ID: 28

Type: **not specified**

g-2 LBL Contribution

Tuesday, September 16, 2014 3:00 PM (20 minutes)

Presenter: MASJUAN QUERALT, Pere (u)

Session Classification: QCD III

Contribution ID: 29

Type: **not specified**

QCD, Alpha(s), Heavy Quark Mass and Sum Rules

Tuesday, September 16, 2014 4:10 PM (20 minutes)

Presenter: STURM, Christian

Session Classification: QCD IV

Contribution ID: **30**

Type: **not specified**

Alpha(s) and Tau Decays

Tuesday, September 16, 2014 4:50 PM (20 minutes)

Presenter: ZHANG, Zhiqing Philippe (LAL, Orsay (FR))

Session Classification: QCD IV

Contribution ID: 31

Type: **not specified**

Analysis strategies for α_s from tau decays

Tuesday, September 16, 2014 5:10 PM (20 minutes)

Presenter: JAMIN, Matthias (u)

Session Classification: QCD IV

Contribution ID: 32

Type: **not specified**

Update on strong coupling after the revised ALEPH data for hadronic tau decays

Tuesday, September 16, 2014 5:30 PM (20 minutes)

Presenters: MALTMAN, Kim (York University); Prof. GOLTERMAN, Maarten (San Francisco State University); PERIS, Santiago (Instituto de Fisica de Altas Energias (IFAE))

Session Classification: QCD IV

Contribution ID: 33

Type: **not specified**

Tauola: Modelling Tau Decays

Monday, September 15, 2014 4:00 PM (20 minutes)

Presenter: WAS, Zbigniew Andrzej (Polish Academy of Sciences (PL))

Session Classification: Tau Properties IV

Contribution ID: 34

Type: **not specified**

Pythia8: Simulating Tau Decays

Monday, September 15, 2014 4:40 PM (20 minutes)

Presenter: ILTEN, Philip (Massachusetts Inst. of Technology (US))

Session Classification: Tau Properties IV

Contribution ID: 35

Type: **not specified**

Simulating Tau Decays with Sherpa and Herwig++

Monday, September 15, 2014 5:00 PM (20 minutes)

Presenter: SCHULZ, Holger (HU Berlin)

Session Classification: Tau Properties IV

Contribution ID: **36**

Type: **not specified**

TBA

Contribution ID: 37

Type: **not specified**

Discussion

Monday, September 15, 2014 5:20 PM (40 minutes)

Session Classification: Tau Properties IV

Contribution ID: **38**

Type: **not specified**

LFV Intro: Overview

Wednesday, September 17, 2014 9:00 AM (25 minutes)

Presenter: UCHIDA, Yoshi (Imperial College London)

Session Classification: Lepton Flavour Violation I

Contribution ID: **39**

Type: **not specified**

LVF Theory

Wednesday, September 17, 2014 9:25 AM (20 minutes)

Presenter: Mrs PASSEMAR, Emilie (Institut de Physique Nucléaire)

Session Classification: Lepton Flavour Violation I

Contribution ID: 40

Type: **not specified**

Lepton Flavour Violating Tau Decays at Belle (BELLE)

Wednesday, September 17, 2014 9:45 AM (20 minutes)

Presenter: HAYASAKA, Kiyoshi (Nagoya Univ.)

Session Classification: Lepton Flavour Violation I

Contribution ID: 41

Type: **not specified**

LFV from LHCb: tau->3mu, tau->p2mu (LHCb)

Wednesday, September 17, 2014 10:05 AM (25 minutes)

Presenter: CHRZASZCZ, Marcin (University of Zurich (CH), Polish Academy of Sciences (PL))

Session Classification: Lepton Flavour Violation I

Contribution ID: 42

Type: **not specified**

LFV Higgs

Wednesday, September 17, 2014 11:00 AM (20 minutes)

Presenter: Mr VERDIER, Patrice (IN2P3)

Session Classification: Lepton Flavour Violation II

Contribution ID: 43

Type: **not specified**

CLFV in muon decays (MEG)

Wednesday, September 17, 2014 12:00 PM (20 minutes)

Presenter: RIPICCINI, Emanuele

Session Classification: Lepton Flavour Violation II

Contribution ID: 44

Type: **not specified**

LFV: Majorana neutrinos in B and D decays

Wednesday, September 17, 2014 11:20 AM (20 minutes)

Presenters: Dr DEPPISCH, Frank (University College London (UK)); Dr DEPPISCH, Frank (DESY); Dr DEPPISCH, Frank (DESY)

Session Classification: Lepton Flavour Violation II

Contribution ID: 45

Type: **not specified**

Mu2e Experiment

Wednesday, September 17, 2014 12:20 PM (20 minutes)

Presenter: Dr BROWN, David (LAWRENCE BERKELEY NATIONAL LAB)

Session Classification: Lepton Flavour Violation II

Contribution ID: 46

Type: **not specified**

The mu3e Experiment at PSI

Wednesday, September 17, 2014 12:40 PM (20 minutes)

Presenter: BRAVAR, Sandro (Universite de Geneve (CH))

Session Classification: Lepton Flavour Violation II

Contribution ID: 47

Type: **not specified**

Neutrino physics: status and open questions

Wednesday, September 17, 2014 2:40 PM (25 minutes)

Presenter: Prof. KUDENKO, Yury (Russian Academy of Sciences (RU))

Session Classification: Neutrino Physics I

Contribution ID: 48

Type: **not specified**

MINOS+NOVA: results /status

Wednesday, September 17, 2014 3:30 PM (25 minutes)

Presenter: Dr COELHO, Joao

Session Classification: Neutrino Physics I

Contribution ID: 49

Type: **not specified**

TBA

Contribution ID: 50

Type: **not specified**

T2K: recent results and prospects

Wednesday, September 17, 2014 3:05 PM (25 minutes)

Presenter: BARKER, Gary (University of Warwick (GB))

Session Classification: Neutrino Physics I

Contribution ID: 51

Type: **not specified**

Sterile neutrino: experiment and theory

Wednesday, September 17, 2014 4:20 PM (25 minutes)

Presenters: MEZZETTO, Mauro (Universita e INFN (IT)); MEZZETTO, Mauro (Dipartimento di Fisica Galileo Galilei); MEZZETTO, Mauro (INFN)

Session Classification: Neutrino Physics II

Contribution ID: 52

Type: **not specified**

Neutrino Reactor Experiments

Wednesday, September 17, 2014 4:45 PM (25 minutes)

Presenters: JETTER, Soeren (Berlin); JETTER, Soeren (Institute for High Energy Physics, Chinese Academy of Sciences)

Session Classification: Neutrino Physics II

Contribution ID: 53

Type: **not specified**

Future Prospects for Measurements of Mass Hierarchy and CP Violation

Wednesday, September 17, 2014 5:10 PM (25 minutes)

Presenters: LANG, Karol (Unknown); LANG, Karol (University of Texas at Austin)

Session Classification: Neutrino Physics II

Contribution ID: 54

Type: **not specified**

Review of Double Beta Decay Experiments

Wednesday, September 17, 2014 5:35 PM (25 minutes)

Presenter: Dr MANESCHG, Werner

Session Classification: Neutrino Physics II

Contribution ID: 55

Type: **not specified**

Tau Trigger/Reconstruction/ID ATLAS

Thursday, September 18, 2014 9:00 AM (20 minutes)

Presenter: LIMBACH, Christian (Universitaet Bonn (DE))

Session Classification: LHC Physics I

Contribution ID: 56

Type: **not specified**

Tau Trigger/Reconstruction/ID CMS

Thursday, September 18, 2014 9:20 AM (20 minutes)

Presenter: VEELKEN, Christian (Ecole Polytechnique (FR))

Session Classification: LHC Physics I

Contribution ID: 57

Type: **not specified**

Higgs->tautau ATLAS

Thursday, September 18, 2014 9:40 AM (20 minutes)

Presenter: SCHWINDT, Thomas (Universitaet Bonn (DE))

Session Classification: LHC Physics I

Contribution ID: 58

Type: **not specified**

Higgs->tautau CMS

Thursday, September 18, 2014 10:00 AM (20 minutes)

Presenter: MULLER, Thomas (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: LHC Physics I

Contribution ID: 59

Type: **not specified**

SM Physics with Taus: Z, W

Thursday, September 18, 2014 11:00 AM (20 minutes)

Presenters: ILTEN, Philip (Massachusetts Inst. of Technology (US)); ILTEN, Philip (Department of Physics - Laboratory for Nuclear Science (LNS) - M)

Session Classification: LHC Physics II

Contribution ID: **60**

Type: **not specified**

Charged Higgs

Thursday, September 18, 2014 11:20 AM (20 minutes)

Presenter: CHAKRABORTY, Dhiman (Northern Illinois University (US))

Session Classification: LHC Physics II

Contribution ID: **61**

Type: **not specified**

Exotics/Susy

Thursday, September 18, 2014 11:40 AM (20 minutes)

Presenter: KNUTZEN, Simon (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: LHC Physics II

Contribution ID: 62

Type: **not specified**

Heavy Quarks and Taus Intro: Theory/New Physics

Thursday, September 18, 2014 12:00 PM (20 minutes)

Presenter: CELIS, Alejandro (IFIC CSIC-Universitat de Valencia)

Session Classification: Heavy Quarks and Taus

Contribution ID: 63

Type: **not specified**

$B \rightarrow D^* \tau \nu + B \rightarrow \tau \nu$ (BELLE)

Thursday, September 18, 2014 12:20 PM (20 minutes)

Presenter: KUHR, Thomas (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Heavy Quarks and Taus

Contribution ID: 64

Type: **not specified**

Heavy Mesons Decays including Taus (BaBar)

Thursday, September 18, 2014 12:40 PM (20 minutes)

Presenter: HEARTY, Christopher (University of British Columbia)

Session Classification: Heavy Quarks and Taus

Contribution ID: 65

Type: **not specified**

BELLE-II

Friday, September 19, 2014 9:00 AM (25 minutes)

Presenter: Prof. SHWARTZ, Boris (Budker Institute (Novosibirsk, Russia))

Session Classification: Future Experiments I

Contribution ID: **66**

Type: **not specified**

Tau Physics at HIEPAF in China

Friday, September 19, 2014 9:25 AM (25 minutes)

Presenter: PENG, Haiping (Univ. of Science & Tech. of China (CN))

Session Classification: Future Experiments I

Contribution ID: 67

Type: **not specified**

Novosibirsk Tau Charm Factory

Friday, September 19, 2014 9:50 AM (25 minutes)

Presenter: EYDELMAN, Simon (Budker Institute of Nuclear Physics (RU))

Session Classification: Future Experiments I

Contribution ID: **68**

Type: **not specified**

g-2 Experiments JPARC

Friday, September 19, 2014 10:45 AM (25 minutes)

Presenter: SAITO, Naohito (KEK)

Session Classification: Future Experiments II

Contribution ID: **69**

Type: **not specified**

g-2 Experiments FNAL

Friday, September 19, 2014 11:10 AM (25 minutes)

Presenter: KASPAR, Jarek (University of Washington)

Session Classification: Future Experiments II

Contribution ID: 70

Type: **not specified**

Future LFV Experiments

Contribution ID: 71

Type: **not specified**

Neutrinos: Summary and Perspectives

Friday, September 19, 2014 11:35 AM (25 minutes)

Presenter: Dr WEBER, Alfons (STFC/RAL)

Session Classification: Future Experiments II

Contribution ID: 72

Type: **not specified**

Summary Talk

Friday, September 19, 2014 12:00 PM (40 minutes)

Presenter: Prof. LAFFERTY, George (University of Manchester (GB))

Session Classification: Summary and Announcements

Contribution ID: 73

Type: **not specified**

Announcements from LOC / IAC

Friday, September 19, 2014 12:40 PM (20 minutes)

Presenters: STAHL, Achim (Rheinisch-Westfaelische Tech. Hoch. (DE)); DAVIER, Michel (Lab.de Phys.Nucleaire et de Hautes Energie/LPNHE (LPNHE))

Session Classification: Summary and Announcements

Contribution ID: 74

Type: **not specified**

Recent results on searches for heavy Majorana neutrinos

Wednesday, September 17, 2014 11:40 AM (20 minutes)

Presenter: HARRISON, Jon (University of Manchester (GB))

Session Classification: Lepton Flavour Violation II

Contribution ID: 75

Type: **not specified**

Vus including Kspi- , Kspi-pi0 - BR and Spectra

Contribution ID: 76

Type: **not specified**

Towards a determination of the tau lepton dipole moments

Monday, September 15, 2014 11:50 AM (20 minutes)

Presenter: FAEL, Matteo (University of Padova)

Session Classification: Tau Properties II

Contribution ID: 77

Type: **not specified**

RCHL and alternative Models and Tau Decays (Theory)

Monday, September 15, 2014 3:40 PM (20 minutes)

Presenters: ROIG, Pablo (IFAE); ROIG GARCÉS, Pablo (urn:Facebook)

Session Classification: Tau Properties IV

Contribution ID: 78

Type: **not specified**

A tau-data-based study of systematic issues and a hybrid strategy for the lattice evaluation of $(g-2)_\mu$

Tuesday, September 16, 2014 3:20 PM (20 minutes)

Presenters: MALTMAN, Kim (York University); Prof. GOLTERMAN, Maarten (San Francisco State University); PERIS, Santiago (Instituto de Fisica de Altas Energias (IFAE))

Session Classification: QCD III

Contribution ID: 79

Type: **not specified**

Dark Photons (BaBar)

Wednesday, September 17, 2014 2:00 PM (20 minutes)

Presenter: HEARTY, Christopher (University of British Columbia)

Session Classification: Dark Sector

Contribution ID: **80**

Type: **not specified**

Search for exotic scalars in the two-photon channel at BaBar

Wednesday, September 17, 2014 2:20 PM (20 minutes)

Presenter: BEAULIEU, Alexandre (University of Victoria)

Session Classification: Dark Sector

Contribution ID: **81**

Type: **not specified**

Guided tour of museum

Contribution ID: 82

Type: **not specified**

Study of the tau meson decay modes with Monte Carlo generator TAUOLA. Status and perspectives.

Monday, September 15, 2014 4:20 PM (20 minutes)

Presenter: SHEKHOVTSOVA, olga (IFJ Cracow Poland)

Session Classification: Tau Properties IV