

Future Circular Collider Study Kickoff Meeting



UNIVERSITÉ
DE GENÈVE



Report of Contributions

Contribution ID: **0**

Type: **not specified**

Registration opens

Wednesday, 12 February 2014 12:00 (1h 30m)

Contribution ID: 1

Type: **not specified**

Welcome address

Contribution ID: 2

Type: **not specified**

DG introduction and session

Contribution ID: 3

Type: **not specified**

Session

Contribution ID: 4

Type: **not specified**

Welcome drink

Contribution ID: 5

Type: **not specified**

Public Lecture: Le boson de Higgs et le seigneur des anneaux

Wednesday, 12 February 2014 19:00 (2 hours)

Une conférence publique de Michel Spiro, Professeur au Commissariat de l'Energie Atomique de Saclay (France)

Presenter: SPIRO, Michel (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Contribution ID: 6

Type: **not specified**

Begin VLHC session

Contribution ID: 7

Type: **not specified**

End of plenary

Contribution ID: **8**

Type: **not specified**

TLEP session

Contribution ID: 9

Type: **not specified**

End of session

Contribution ID: **10**

Type: **not specified**

Begin infrastructure session

Contribution ID: 11

Type: **not specified**

End of plenary

Contribution ID: 12

Type: **not specified**

Breakout sessions

Contribution ID: 13

Type: **not specified**

End of breakout session

Contribution ID: 14

Type: **not specified**

Breakout sessions summaries

Contribution ID: 15

Type: **not specified**

Breakout sessions summaries; wrap-up; next steps

Contribution ID: **16**

Type: **not specified**

End of meeting

Saturday, 15 February 2014 13:00 (30 minutes)

Contribution ID: 17

Type: **not specified**

Welcome

Wednesday, 12 February 2014 13:30 (10 minutes)

Presenters: BLONDEL, Alain (Universite de Geneve (CH)); VASSALLI, Jean-Dominique (Rector of University of Geneva)

Session Classification: Session 1a - Opening (Chaired by Giuseppe IACOBUCCI/Alain BLONDEL - University of Geneva)

Contribution ID: **18**

Type: **not specified**

Opening & Introduction

Wednesday, 12 February 2014 13:40 (20 minutes)

Presenter: HEUER, Rolf (CERN Director-General)

Session Classification: Session 1a - Opening (Chaired by Giuseppe IACOBUCCI/Alain BLONDEL - University of Geneva)

Track Classification: Session 1 - Opening

Contribution ID: 19

Type: **not specified**

Energy frontier after the Higgs discovery

Wednesday, 12 February 2014 14:00 (30 minutes)

Presenter: ARKANI-HAMED, Nima (IAS)

Session Classification: Session 1a - Opening (Chaired by Giuseppe IACOBUCCI/Alain BLONDEL - University of Geneva)

Track Classification: Session 1 - Opening

Contribution ID: 20

Type: **not specified**

Precision frontier at high energies

Wednesday, 12 February 2014 14:30 (30 minutes)

Presenter: GROJEAN, Christophe (ICREA - Institutio catalana de recerca estudis avancats (ES))

Session Classification: Session 1a - Opening (Chaired by Giuseppe IACOBUCCI/Alain BLONDEL - University of Geneva)

Track Classification: Session 1 - Opening

Contribution ID: 21

Type: **not specified**

CERN roadmap

Wednesday, 12 February 2014 15:30 (20 minutes)

Presenter: BORDRY, Frédéric (CERN)

Session Classification: Session 1b - Opening (Chaired by Alex MUELLER - CNRS/IN2P3)

Track Classification: Session 1 - Opening

Contribution ID: 22

Type: **not specified**

FCC study

Wednesday, 12 February 2014 15:50 (30 minutes)

Presenter: BENEDIKT, Michael (CERN)

Session Classification: Session 1b - Opening (Chaired by Alex MUELLER - CNRS/IN2P3)

Track Classification: Session 1 - Opening

Contribution ID: 23

Type: **not specified**

Gotthard tunnel project

Friday, 14 February 2014 10:00 (30 minutes)

Presenter: AMBERG, Felix

Session Classification: Session 4a - Infrastructure & operation - (Chaired by Thomas ROSER - BNL)

Track Classification: Session 1 - Opening

Contribution ID: 24

Type: **not specified**

Hadron collider overview

Thursday, 13 February 2014 08:30 (30 minutes)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Session 2a - Hadron machine (Chaired by Akira Yamamoto - KEK)

Contribution ID: 25

Type: **not specified**

Synchrotron radiation & vacuum concepts

Thursday, 13 February 2014 09:00 (30 minutes)

Presenter: KERSEVAN, Roberto (CERN)

Session Classification: Session 2a - Hadron machine (Chaired by Akira Yamamoto - KEK)

Contribution ID: 26

Type: **not specified**

Hadron injector options

Thursday, 13 February 2014 09:30 (30 minutes)

Presenter: HERR, Werner (CERN)

Session Classification: Session 2a - Hadron machine (Chaired by Akira Yamamoto - KEK)

Contribution ID: 27

Type: **not specified**

R&D roadmap towards 16 T Nb₃Sn dipole magnets ready for industrial production

Thursday, 13 February 2014 10:00 (30 minutes)

Presenter: STRAUSS, Bruce (U.S. Department of Energy)

Session Classification: Session 2a - Hadron machine (Chaired by Akira Yamamoto - KEK)

Contribution ID: **28**

Type: **not specified**

Hadron collider experiments and physics: introduction

Thursday, 13 February 2014 11:00 (20 minutes)

Presenter: GIANOTTI, Fabiola (CERN)

Session Classification: Session 2b - Hadron physics (Chaired by Tejinder VIRDEE - Imperial College)

Contribution ID: 29

Type: **not specified**

Experimental challenges and first ideas about detector layouts

Thursday, 13 February 2014 11:25 (20 minutes)

Presenter: FOURNIER, Daniel (Universite de Paris-Sud 11 (FR))

Session Classification: Session 2b - Hadron physics (Chaired by Tejinder VIRDEE - Imperial College)

Contribution ID: **30**

Type: **not specified**

The physics landscape and opportunities

Thursday, 13 February 2014 11:50 (20 minutes)

Presenter: MANGANO, Michelangelo (CERN)

Session Classification: Session 2b - Hadron physics (Chaired by Tejinder VIRDEE - Imperial College)

Contribution ID: **31**

Type: **not specified**

Lepton collider overview

Thursday, 13 February 2014 14:00 (30 minutes)

Presenter: WENNINGER, Jorg (CERN)

Session Classification: Session 3a - Lepton machine (Chaired by Eugene LEVICHEV - BINP)

Contribution ID: **32**

Type: **not specified**

Optics challenges

Thursday, 13 February 2014 14:30 (20 minutes)

Presenter: HOLZER, Bernhard (CERN)

Session Classification: Session 3a - Lepton machine (Chaired by Eugene LEVICHEV - BINP)

Contribution ID: 33

Type: **not specified**

Lepton injector options

Thursday, 13 February 2014 15:10 (20 minutes)

Presenter: PAPAPHILIPPOU, Yannis (CERN)

Session Classification: Session 3a - Lepton machine (Chaired by Eugene LEVICHEV - BINP)

Contribution ID: 34

Type: **not specified**

100-MW RF system at different beam energies and intensities

Thursday, 13 February 2014 15:30 (30 minutes)

Presenter: JENSEN, Erk (CERN)

Session Classification: Session 3a - Lepton machine (Chaired by Eugene LEVICHEV - BINP)

Contribution ID: 35

Type: **not specified**

Lepton physics

Thursday, 13 February 2014 16:30 (30 minutes)

Presenter: ELLIS, Jonathan R. (King's College London, UK)

Session Classification: Session 3b - Lepton physics (Chaired by Michel SPIRO - CEA)

Contribution ID: 36

Type: **not specified**

Lepton experiments & detectors

Thursday, 13 February 2014 17:00 (30 minutes)

Presenter: ROLANDI, Gigi (CERN)

Session Classification: Session 3b - Lepton physics (Chaired by Michel SPIRO - CEA)

Contribution ID: 37

Type: **not specified**

Lepton-Hadron Physics, Experiments, Detectors

Thursday, 13 February 2014 17:30 (30 minutes)

Presenter: D'ONOFRIO, Monica (University of Liverpool (GB))

Session Classification: Session 3b - Lepton physics (Chaired by Michel SPIRO - CEA)

Contribution ID: **38**

Type: **not specified**

Unconventional issues in conventional facilities

Friday, 14 February 2014 08:30 (30 minutes)

Presenter: LEBRUN, Philippe (CERN)

Session Classification: Session 4a - Infrastructure & operation - (Chaired by Thomas ROSER - BNL)

Contribution ID: 39

Type: **not specified**

Geology and civil engineering

Friday, 14 February 2014 10:30 (30 minutes)

Presenter: OSBORNE, John Andrew (CERN)

Session Classification: Session 4a - Infrastructure & operation - (Chaired by Thomas ROSER - BNL)

Contribution ID: 40

Type: **not specified**

Cryogenics

Friday, 14 February 2014 09:00 (30 minutes)

Presenter: TAVIAN, Laurent Jean (CERN)

Session Classification: Session 4a - Infrastructure & operation - (Chaired by Thomas ROSER - BNL)

Contribution ID: 41

Type: **not specified**

Health, safety and environment

Presenter: TBC

Contribution ID: 42

Type: **not specified**

Availability, energy, operation

Friday, 14 February 2014 09:30 (30 minutes)

Presenter: COLLIER, Paul (CERN)

Session Classification: Session 4a - Infrastructure & operation - (Chaired by Thomas ROSER - BNL)

Contribution ID: 43

Type: **not specified**

Health, safety and environment

Friday, 14 February 2014 11:30 (30 minutes)

Presenter: TRANT, Ralf (CERN)

Session Classification: Session 4b - Closing (Chaired by Tord EKELOF - Uppsala University)

Contribution ID: 44

Type: **not specified**

Cultural, economical and societal impact of big science projects

Wednesday, 12 February 2014 17:00 (45 minutes)

Presenter: WOMERSLEY, John William (STFC - Rutherford Appleton Lab. (GB))

Session Classification: Session 1b - Opening (Chaired by Alex MUELLER - CNRS/IN2P3)

Contribution ID: 45

Type: **not specified**

Closing remarks & outlook

Friday, 14 February 2014 12:00 (15 minutes)

Presenter: HEUER, Rolf (CERN)

Session Classification: Session 4b - Closing (Chaired by Tord EKELOF - Uppsala University)

Contribution ID: 46

Type: **not specified**

Wrap-up and next steps

Saturday, 15 February 2014 12:30 (30 minutes)

Presenters: ZIMMERMANN, Frank (CERN); BENEDIKT, Michael (CERN)

Contribution ID: 47

Type: **not specified**

Introduction

Friday, 14 February 2014 14:00 (15 minutes)

Presenter: WENNINGER, Jorg (CERN)

Session Classification: Lepton collider design (SC RF technology + injectors)

Contribution ID: 48

Type: **not specified**

Optics challenges

Presenters: HOLZER, Bernhard (CERN); Dr TOMAS GARCIA, Rogelio (CERN)

Contribution ID: 49

Type: **not specified**

Optics with large momentum acceptance for Higgs factory

Friday, 14 February 2014 14:15 (25 minutes)

Presenter: CAI, Yunhai (SLAC)

Session Classification: Lepton collider design (SC RF technology + injectors)

Contribution ID: **50**

Type: **not specified**

Introduction

Friday, 14 February 2014 14:00 (15 minutes)

Presenter: JANOT, Patrick (CERN)

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 51

Type: **not specified**

Plans for Working Groups 1 & 2: EW physics at the Z pole, and di-boson physics

Friday, 14 February 2014 14:20 (15 minutes)

Presenters: BLONDEL, Alain (Universite de Geneve (CH)); TENCHINI, Roberto (Sezione di Pisa (IT))

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 52

Type: **not specified**

Plans for Working Group 4: Top quark physics

Friday, 14 February 2014 14:40 (15 minutes)

Presenter: AZZI, Patrizia (INFN Padova (IT))

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 53

Type: **not specified**

Plans for Working Group 5: QCD and gamma gamma physics

Friday, 14 February 2014 15:00 (15 minutes)

Presenters: D'ENTERRIA, David (CERN); SKANDS, Peter (CERN)

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 54

Type: **not specified**

Plans for Working Group 6: Flavour Physics

Friday, 14 February 2014 15:20 (15 minutes)

Presenter: MONTEIL, Stephane (Univ. Blaise Pascal Clermont-Fe. II (FR))

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 55

Type: **not specified**

Plans for Working Group 8: Experimental Environment

Friday, 14 February 2014 16:15 (15 minutes)

Presenter: BACCHETTA, Nicola (Universita e INFN (IT))

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 56

Type: **not specified**

Plans for Working Group 10: Online software and computing

Friday, 14 February 2014 16:35 (15 minutes)

Presenter: LEONIDOPOULOS, Christos (University of Edinburgh (GB))

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 57

Type: **not specified**

Plans for Working Group 11: Detector Designs

Friday, 14 February 2014 16:55 (15 minutes)

Presenter: ROLANDI, Gigi (CERN)

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 58

Type: **not specified**

Possible synergies with CLIC detectors

Friday, 14 February 2014 17:15 (20 minutes)

Presenter: LINSSEN, Lucie (CERN)

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: 59

Type: **not specified**

A TPC for ee-FCC (TLEP) ? A follow-up.

Friday, 14 February 2014 17:40 (20 minutes)

Presenter: SCHWEMLING, Philippe (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: **60**

Type: **not specified**

Potential activities in TEMF, TU-Darmstadt

Friday, 14 February 2014 14:15 (10 minutes)

Presenter: PETROV, Fedor (TU-Darmstadt)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: **61**

Type: **not specified**

Technical Challenges and Breakthroughs for the FCC-hh

Friday, 14 February 2014 14:45 (20 minutes)

Presenter: Dr JIMENEZ, Jose Miguel (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: **62**

Type: **not specified**

Potential contributions of the John Adams Institute

Friday, 14 February 2014 14:25 (10 minutes)

Presenter: SERYI, Andrei (John Adams Institute for Accelerator Science)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 63

Type: **not specified**

First look at performance for Pb-Pb and p-Pb collisions and required R&D

Friday, 14 February 2014 15:05 (10 minutes)

Presenter: SCHAUMANN, Michaela (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: **64**

Type: **not specified**

Introduction

Friday, 14 February 2014 14:00 (15 minutes)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 65

Type: **not specified**

Chinese activities for circular colliders

Wednesday, 12 February 2014 16:20 (20 minutes)

Presenter: WANG, Yifang (IHEP Beijing)

Session Classification: Session 1b - Opening (Chaired by Alex MUELLER - CNRS/IN2P3)

Contribution ID: 66

Type: **not specified**

US activities related to circular colliders studies

Wednesday, 12 February 2014 16:40 (20 minutes)

Presenter: HENDERSON, Stuart (Fermi National Accelerator Laboratory)

Session Classification: Session 1b - Opening (Chaired by Alex MUELLER - CNRS/IN2P3)

Contribution ID: 67

Type: **not specified**

Open discussion

Thursday, 13 February 2014 12:15 (15 minutes)

Session Classification: Session 2b - Hadron physics (Chaired by Tejinder VIRDEE - Imperial College)

Contribution ID: **68**

Type: **not specified**

Final focus + injector concepts based on SuperKEKB

Thursday, 13 February 2014 14:50 (20 minutes)

Presenter: OIDE, Katsunobu (KEK)

Session Classification: Session 3a - Lepton machine (Chaired by Eugene LEVICHEV - BINP)

Contribution ID: **69**

Type: **not specified**

Impact of synchrotron radiation in arcs

Friday, 14 February 2014 15:20 (15 minutes)

Presenter: CERUTTI, Francesco (CERN)

Session Classification: Lepton collider design (SC RF technology + injectors)

Contribution ID: 70

Type: **not specified**

Optimization of Luminosity of a 100 km Circumference e⁺/e⁻ Collider

Friday, 14 February 2014 15:00 (20 minutes)

Presenter: TALMAN, Richard (Cornell)

Session Classification: Lepton collider design (SC RF technology + injectors)

Contribution ID: 71

Type: **not specified**

LTS and HTS material issues for 16 to 20 T applications

Friday, 14 February 2014 16:05 (20 minutes)

Presenter: LARBALESTIER, David (National High Magnetic Field Laboratory)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 72

Type: **not specified**

Overview of HiLumi LHC Low-beta quadrupoles and FRESA2

Friday, 14 February 2014 16:35 (10 minutes)

Presenter: FERRACIN, Paolo (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 73

Type: **not specified**

11T experience

Friday, 14 February 2014 16:45 (10 minutes)

Presenter: KARPPINEN, Mikko (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 74

Type: **not specified**

SC magnet developments towards 16 T Nb₃Sn dipoles

Friday, 14 February 2014 16:55 (10 minutes)

Presenter: GOURLAY, Stephen (LBNL)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 75

Type: **not specified**

Design options for the 15-20 T range

Friday, 14 February 2014 17:05 (10 minutes)

Presenter: TODESCO, Ezio (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 76

Type: **not specified**

Low cost magnet design

Friday, 14 February 2014 17:15 (10 minutes)

Presenter: MCINTYRE, Peter (Texas A&M University)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 77

Type: **not specified**

Report by Jonathan R. Ellis and Michelangelo Mangano

Saturday, 15 February 2014 09:00 (20 minutes)

Session Classification: Reports by conveners (Chaired by Leonid RIVKIN - EPFL & PSI)

Contribution ID: 78

Type: **not specified**

Report by Daniel Schulte

Saturday, 15 February 2014 11:20 (20 minutes)

Session Classification: Reports by conveners (Chaired by Leonid RIVKIN - EPFL & PSI)

Contribution ID: 79

Type: **not specified**

Report by Fabiola Gianotti and Austin Ball

Saturday, 15 February 2014 09:20 (20 minutes)

Session Classification: Reports by conveners (Chaired by Leonid RIVKIN - EPFL & PSI)

Contribution ID: **80**

Type: **not specified**

Report by Jorg Wenninger

Saturday, 15 February 2014 10:20 (20 minutes)

Session Classification: Reports by conveners (Chaired by Leonid RIVKIN - EPFL & PSI)

Contribution ID: **81**

Type: **not specified**

Report by Patrick Janot and Alain Blondel

Saturday, 15 February 2014 09:40 (20 minutes)

Session Classification: Reports by conveners (Chaired by Leonid RIVKIN - EPFL & PSI)

Contribution ID: **82**

Type: **not specified**

Report by Max Klein

Saturday, 15 February 2014 10:00 (20 minutes)

Session Classification: Reports by conveners (Chaired by Leonid RIVKIN - EPFL & PSI)

Contribution ID: **83**

Type: **not specified**

Report by Paul Collier

Saturday, 15 February 2014 11:40 (20 minutes)

Session Classification: Reports by conveners (Chaired by Leonid RIVKIN - EPFL & PSI)

Contribution ID: **84**

Type: **not specified**

Injector magnet considerations

Friday, 14 February 2014 17:25 (10 minutes)

Presenter: MILANESE, Attilio (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 85

Type: **not specified**

Material R&D towards superconductors for the 16 T horizon, and 20 T horizon

Friday, 14 February 2014 16:25 (10 minutes)

Presenter: BALLARINO, Amalia (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: **86**

Type: **not specified**

Introduction

Friday, 14 February 2014 14:00 (15 minutes)

Presenters: Dr BALL, Austin (CERN); Dr GIANOTTI, Fabiola (CERN)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: 87

Type: **not specified**

Magnet concepts for experiments at a 100-TeV pp collider

Friday, 14 February 2014 14:15 (20 minutes)

Presenter: TEN KATE, Herman

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: **88**

Type: **not specified**

Operation at shorter than 25-ns bunch spacing

Friday, 14 February 2014 14:55 (15 minutes)

Presenter: GORINI, Benedetto (CERN)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: **89**

Type: **not specified**

Radiation issues and tracking concepts

Friday, 14 February 2014 15:10 (20 minutes)

Presenter: Dr RIEGLER, Werner (CERN)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: **90**

Type: **not specified**

Machine detector interface issues

Friday, 14 February 2014 14:35 (20 minutes)

Presenter: BALL, Austin (CERN)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: **91**

Type: **not specified**

Dark matter studies

Friday, 14 February 2014 16:40 (20 minutes)

Presenters: Dr HOOBERMAN, Benjamin (FNAL); Dr COTÉ, David (Arlington UT)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: 92

Type: **not specified**

$V \rightarrow jj$ studies with jet substructures

Friday, 14 February 2014 16:20 (20 minutes)

Presenter: Dr PIERINI, Maurizio (CERN)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: 93

Type: **not specified**

Parton distribution functions for 100 TeV pp colliders

Friday, 14 February 2014 16:00 (20 minutes)

Presenter: ROJO, Juan (INFN)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: 94

Type: **not specified**

Organisation and discussion of the future activities

Friday, 14 February 2014 17:00 (20 minutes)

Presenters: ALL; BALL, Austin (CERN); Dr GIANOTTI, Fabiola (CERN)

Session Classification: Hadron collider physics, experiments, detectors

Contribution ID: 95

Type: **not specified**

Introduction

Friday, 14 February 2014 14:00 (10 minutes)

Presenter: KLEIN, Max (University of Liverpool (GB))

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: 96

Type: **not specified**

LHeC development

Friday, 14 February 2014 14:10 (20 minutes)

Presenter: BRUNING, Oliver (CERN)

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: 97

Type: **not specified**

ERL Test Facility

Friday, 14 February 2014 14:30 (20 minutes)

Presenter: VALLONI, Alessandra (CERN)

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: **98**

Type: **not specified**

Machine parameters

Friday, 14 February 2014 16:00 (20 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: 99

Type: **not specified**

Interaction region

Friday, 14 February 2014 14:50 (20 minutes)

Presenter: TOMAS GARCIA, Rogelio (CERN)

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: **100**

Type: **not specified**

Detector considerations

Friday, 14 February 2014 15:10 (20 minutes)

Presenter: POLINI, Alessandro (Istituto Nazionale di Fisica Nucleare (INFN))

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: **101**

Type: **not specified**

Precision DIS measurements

Friday, 14 February 2014 16:20 (20 minutes)

Presenter: KLEIN, Max (University of Liverpool (GB))

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: **102**

Type: **not specified**

BSM in ep and relation to pp

Presenter: D'ONOFRIO, Monica (University of Liverpool (GB))

Contribution ID: **103**

Type: **not specified**

Higgs theory

Presenter: TROTT, Michael

Contribution ID: **104**

Type: **not specified**

Higgs in ep

Presenter: KLEIN, Uta (University of Liverpool (GB))

Contribution ID: **105**

Type: **not specified**

Heavy ion physics with eA

Friday, 14 February 2014 16:40 (20 minutes)

Presenter: COLE, Brian (Columbia University (US))

Session Classification: Lepton-hadron physics, experiments, detectors

Contribution ID: **106**

Type: **not specified**

Status and plans for the physics studies of TLEP

Friday, 14 February 2014 16:00 (30 minutes)

Presenter: ELLIS, Jonathan R. (CERN)

Session Classification: FCCs overall physics and phenomenology

Contribution ID: **107**

Type: **not specified**

FCC-hh: topics and work plan for phenomenology studies

Friday, 14 February 2014 16:30 (30 minutes)

Presenter: MANGANO, Michelangelo (CERN)

Session Classification: FCCs overall physics and phenomenology

Contribution ID: **108**

Type: **not specified**

Perspectives at the Energy Frontier

Friday, 14 February 2014 14:00 (30 minutes)

Presenter: QUIGG, Chris (Fermi National Accelerator Lab. (US))

Session Classification: FCCs overall physics and phenomenology

Contribution ID: **109**

Type: **not specified**

Status and plans for the Heavy Ion physics studies

Friday, 14 February 2014 14:30 (30 minutes)

Presenter: DAINESE, Andrea (INFN - Padova (IT))

Session Classification: FCCs overall physics and phenomenology

Contribution ID: **110**

Type: **not specified**

QCD at the FCC: opportunities and challenges

Friday, 14 February 2014 15:00 (30 minutes)

Presenter: ZANDERIGHI, Giulia (Unknown)

Session Classification: FCCs overall physics and phenomenology

Contribution ID: 111

Type: **not specified**

Status and prospects of precise Higgs and BSM calculations for the FCC

Friday, 14 February 2014 17:00 (30 minutes)

Presenter: SPIRA, Michael (Paul Scherrer Institut (CH))

Session Classification: FCCs overall physics and phenomenology

Contribution ID: 112

Type: **not specified**

Prospects for Higgs and BSM studies in ep collisions at the FCC

Friday, 14 February 2014 17:30 (30 minutes)

Presenter: KLEIN, Uta (University of Liverpool (GB))

Session Classification: FCCs overall physics and phenomenology

Contribution ID: **113**

Type: **not specified**

Insertion Magnet Challenges

Friday, 14 February 2014 17:35 (10 minutes)

Presenter: Dr TOMAS GARCIA, Rogelio (CERN)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: 114

Type: **not specified**

Draft of the Interaction Region for Crab Waist collision scheme

Friday, 14 February 2014 14:40 (20 minutes)

Presenter: BOGOMYAGKOV, Anton

Session Classification: Lepton collider design (SC RF technology + injectors)

Contribution ID: 115

Type: **not specified**

Potential UK Contributions

Friday, 14 February 2014 14:35 (10 minutes)

Presenter: CHATTOPADHYAY, Swapan (Cockcroft Institute, UK)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: **116**

Type: **not specified**

Round the table

Friday, 14 February 2014 15:15 (20 minutes)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: **117**

Type: **not specified**

MC codes for FCC-ee

Friday, 14 February 2014 18:05 (15 minutes)

Presenter: JADACH, Staszek (Polish Academy of Sciences (PL))

Session Classification: Lepton collider physics, experiments, detectors

Contribution ID: **118**

Type: **not specified**

Round the table for magnets

Friday, 14 February 2014 17:45 (15 minutes)

Session Classification: Hadron collider design (+ SC magnet technology + injectors)

Contribution ID: **119**

Type: **not specified**

CEPC accelerator

Friday, 14 February 2014 15:35 (20 minutes)

Presenter: GAO, Jie (IHEP)

Session Classification: Lepton collider design (SC RF technology + injectors)