

7th FCC Physics Workshop



Report of Contributions

Contribution ID: 1

Type: **not specified**

ECFA studies en route to the next European Strategy

Presenter: SPHICAS, Paris (CERN/Athens)

Session Classification: Plenary

Contribution ID: 2

Type: **not specified**

Towards more luminosity

Monday, 29 January 2024 14:20 (20 minutes)

Primary author: ZIMMERMANN, Frank (CERN)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Plenary

Contribution ID: 3

Type: **not specified**

Progress of civil engineering studies for FCC

Monday, 29 January 2024 14:45 (20 minutes)

Presenter: WATSON, Timothy Paul (CERN)

Session Classification: Plenary

Contribution ID: 4

Type: **not specified**

Local communication and environmental studies

Monday, 29 January 2024 15:10 (20 minutes)

Presenter: GUTLEBER, Johannes (CERN)

Session Classification: Plenary

Contribution ID: 5

Type: **not specified**

Introduction and goals of the workshop

Monday, 29 January 2024 13:40 (15 minutes)

Presenter: GROJEAN, Christophe (DESY (Hamburg) and Humboldt University (Berlin))

Session Classification: Plenary

Contribution ID: 6

Type: **not specified**

Progress and goals in various EPOL topics

Monday, 29 January 2024 16:00 (15 minutes)

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

Session Classification: Plenary

Contribution ID: 7

Type: **not specified**

Software status and goals

Monday, 29 January 2024 16:18 (15 minutes)

Presenter: FRANCOIS, Brieuc (CERN)

Session Classification: Plenary

Contribution ID: 8

Type: **not specified**

Detector concepts status

Monday, 29 January 2024 16:36 (15 minutes)

Presenter: PLEIER, Marc-Andre

Session Classification: Plenary

Contribution ID: 9

Type: **not specified**

Progress and prospects on the MDI study

Monday, 29 January 2024 16:54 (15 minutes)

Presenter: BOSCOLO, Manuela (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: Plenary

Contribution ID: **10**

Type: **not specified**

Detector requirements and case studies

Monday, 29 January 2024 17:12 (15 minutes)

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

Session Classification: Plenary

Contribution ID: 11

Type: **not specified**

Precision EW theory at the Z pole

Tuesday, 30 January 2024 14:00 (20 minutes)

Presenter: USOVITSCH, Johann (CERN)

Session Classification: Plenary

Contribution ID: 12

Type: **not specified**

CEPC: overall status and prospects for beam polarization

Tuesday, 30 January 2024 14:23 (20 minutes)

Presenter: DUAN, Zhe

Session Classification: Plenary

Contribution ID: 13

Type: **not specified**

Inclusive Rb measurement and requirements

Tuesday, 30 January 2024 15:09 (20 minutes)

Presenter: SELVAGGI, Michele (CERN)

Session Classification: Plenary

Contribution ID: 14

Type: **not specified**

Z → Hadrons [pile-up; subtraction of gammagamma background; hadronisation modelling; etc]

Tuesday, 30 January 2024 14:46 (20 minutes)

Presenter: EYSERMANS, Jan (Massachusetts Inst. of Technology (US))

Session Classification: Plenary

Contribution ID: 15

Type: **not specified**

Exclusive Rb measurement and requirements

Tuesday, 30 January 2024 16:00 (20 minutes)

Presenter: ROHRIG, Lars (Technische Universitaet Dortmund (DE))

Session Classification: Plenary

Contribution ID: 16

Type: **not specified**

Flavour - Tera-Z Renormalisation Group Interplay

Tuesday, 30 January 2024 16:46 (20 minutes)

Presenter: RENNEN, Sophie Alice (University of Glasgow (GB))

Session Classification: Plenary

Contribution ID: 17

Type: **not specified**

Flavour, Colliders, and the Z-pole: Opportunities for probing new physics at FCC-ee

Tuesday, 30 January 2024 17:09 (20 minutes)

Presenter: STEFANEK, Ben

Session Classification: Plenary

Contribution ID: **18**

Type: **not specified**

Simulation and Reconstruction: Status and Needs

Tuesday, 30 January 2024 16:23 (20 minutes)

Presenter: FRANCOIS, Brieuc (CERN)

Session Classification: Plenary

Contribution ID: 19

Type: **not specified**

Ultimate precision of theoretical prediction for diphotons and Bhabhas

Wednesday, 31 January 2024 14:00 (20 minutes)

Presenter: PICCININI, Fulvio (Pavia University and INFN (IT))

Session Classification: Plenary

Contribution ID: 20

Type: **not specified**

Control of end-cap acceptance for di-photons and di-leptons

Wednesday, 31 January 2024 14:23 (20 minutes)

Presenter: BLONDEL, Alain (Universite de Geneve (CH))

Session Classification: Plenary

Contribution ID: 21

Type: **not specified**

First results from full simulation of the luminosity monitors

Wednesday, 31 January 2024 14:46 (20 minutes)

Presenter: DAM, Mogens (University of Copenhagen (DK))

Session Classification: Plenary

Contribution ID: 22

Type: **not specified**

e/gamma separation for luminosity measurement with diphotons [remote]

Wednesday, 31 January 2024 15:09 (20 minutes)

Presenter: WILSON, Graham (The University of Kansas (US))

Session Classification: Plenary

Contribution ID: 23

Type: **not specified**

FCC-hh: next steps in the physics studies [remote]

Wednesday, 31 January 2024 16:58 (20 minutes)

Presenter: MANGANO, Michelangelo (CERN)

Session Classification: Plenary

Contribution ID: 24

Type: **not specified**

Update on Higgs self-coupling determination

Wednesday, 31 January 2024 16:46 (10 minutes)

Presenters: TALIERCIO, Angela (Northwestern University (US)); STAPF, Birgit (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Plenary

Contribution ID: 25

Type: **not specified**

Complementarity FCC-hh / muon collider

Wednesday, 31 January 2024 16:23 (20 minutes)

Presenter: MCCULLOUGH, Matthew Philip (CERN)

Session Classification: Plenary

Contribution ID: 26

Type: **not specified**

Testing Higgs naturalness at the FCC

Wednesday, 31 January 2024 16:00 (20 minutes)

Presenter: SALVIONI, Ennio (University of Sussex)

Session Classification: Plenary

Contribution ID: 27

Type: **not specified**

Proton structure and small-x QCD with collider neutrinos from the LHC to FCC-pp [remote]

Thursday, 1 February 2024 14:00 (20 minutes)

Presenter: ROJO, Juan (VU Amsterdam and Nikhef)

Session Classification: Plenary

Contribution ID: 28

Type: **not specified**

Optimization of the machine performance at the Z pole : comparison of optics

Thursday, 1 February 2024 14:23 (20 minutes)

The baseline V22 and LCCO89 lattice optics options for FCC-ee @ Z (45.6 GeV) are compared in terms of single particle beam-dynamics and in presence of errors.

Presenter: LIUZZO, Simone (ESRF)

Session Classification: Plenary

Contribution ID: 29

Type: **not specified**

Precision QCD at Tera-Z

Thursday, 1 February 2024 14:45 (20 minutes)

Presenter: MONNI, Pier Francesco (CERN)

Session Classification: Plenary

Contribution ID: **30**

Type: **not specified**

Corrections to event shape variables

Presenter: GRAZZINI, Massimiliano (University of Zurich (CH))

Session Classification: Plenary

Contribution ID: 31

Type: **not specified**

Overview of Higgs and top activities

Thursday, 1 February 2024 15:09 (20 minutes)

Presenter: EYSERMANS, Jan (Massachusetts Inst. of Technology (US))

Session Classification: Plenary

Contribution ID: 32

Type: **not specified**

Extended Higgs models: experimental status [remote]

Thursday, 1 February 2024 16:00 (20 minutes)

Presenter: SALERNO, Roberto (CNRS/IN2P3 - LLR, École polytechnique)

Session Classification: Plenary

Contribution ID: 33

Type: **not specified**

Extended Higgs models: how to test them at FCC-ee?

Thursday, 1 February 2024 16:23 (20 minutes)

Presenters: DEANDREA, Aldo (IP2I, Luon); CACCIAPAGLIA, Giacomo (IP2I, Lyon)

Session Classification: Plenary

Contribution ID: **34**

Type: **not specified**

SMEFT at Tera-Z

Thursday, 1 February 2024 16:46 (20 minutes)

Presenter: DU, Yong (TD Lee Institute)

Session Classification: Plenary

Contribution ID: 35

Type: **not specified**

Direct BSM at Tera-Z

Thursday, 1 February 2024 17:09 (20 minutes)

Presenter: ALIMENA, Juliette (DESY)

Session Classification: Plenary

Contribution ID: 36

Type: **not specified**

Physics Performance

Friday, 2 February 2024 09:00 (15 minutes)

Presenter: SELVAGGI, Michele (CERN)

Session Classification: Plenary

Contribution ID: 37

Type: **not specified**

Software and computing

Friday, 2 February 2024 09:18 (15 minutes)

Presenter: GANIS, Gerardo (CERN)

Session Classification: Plenary

Contribution ID: **38**

Type: **not specified**

Detectors

Friday, 2 February 2024 09:36 (15 minutes)

Presenter: SEFKOW, Felix (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Plenary

Contribution ID: **39**

Type: **not specified**

EPOL

Friday, 2 February 2024 09:54 (15 minutes)

Presenter: KEINTZEL, Jacqueline (CERN)

Session Classification: Plenary

Contribution ID: **40**

Type: **not specified**

MDI

Friday, 2 February 2024 10:12 (15 minutes)

Presenter: PALLA, Fabrizio (Universita & INFN Pisa (IT))

Session Classification: Plenary

Contribution ID: 41

Type: **not specified**

Indirect BSM @ Tera-Z

Friday, 2 February 2024 11:00 (20 minutes)

Presenter: RIVA, Francesco

Session Classification: Plenary

Contribution ID: 42

Type: **not specified**

Physics Programme: grand vision

Friday, 2 February 2024 11:23 (20 minutes)

Presenter: SIMON, Frank (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Plenary

Contribution ID: 43

Type: **not specified**

P5 vision of the US contribution to FCC

Friday, 2 February 2024 11:46 (20 minutes)

Presenter: MURAYAMA, Hitoshi

Session Classification: Plenary

Contribution ID: 44

Type: **not specified**

Closing remarks

Friday, 2 February 2024 12:09 (20 minutes)

Presenter: JANOT, Patrick (CERN)

Session Classification: Plenary

Contribution ID: 45

Type: **not specified**

Gravitational Wave - FCC Connection

Tuesday, 30 January 2024 09:00 (20 minutes)

Presenter: NARDINI, Germano (University of Stavanger)

Session Classification: Parallel 1

Contribution ID: 46

Type: **not specified**

EWPT and Higgs Properties

Tuesday, 30 January 2024 09:20 (20 minutes)

Presenter: MATSEDONSKYI, Oleksii (University of Cambridge)

Session Classification: Parallel 1

Contribution ID: 47

Type: **not specified**

Positivity, BSM, FCC

Tuesday, 30 January 2024 09:40 (20 minutes)

Presenter: DAVIGHI, Joseph Enea

Session Classification: Parallel 1

Contribution ID: 48

Type: **not specified**

Matching BSM to SMEFT

Tuesday, 30 January 2024 10:00 (20 minutes)

Presenter: DURIEUX, Gauthier (CP3 - UCLouvain)

Session Classification: Parallel 1

Contribution ID: 49

Type: **not specified**

Low-Scale Leptogenesis with Low-Energy Dirac CP-Violation

Tuesday, 30 January 2024 11:00 (20 minutes)

Presenter: GRANELLI, Alessandro (University of Bologna and INFN)

Session Classification: Parallel 1

Contribution ID: 50

Type: **not specified**

Heavy neutrino-antineutrino oscillations at the FCC-ee

Tuesday, 30 January 2024 11:22 (20 minutes)

Presenter: HAJER, Jan (Universidade de Lisboa)

Session Classification: Parallel 1

Contribution ID: 51

Type: **not specified**

Probing High Scale Physics via Standard Model Parameters

Tuesday, 30 January 2024 11:44 (20 minutes)

Presenter: DUNSKY, David (UC Berkeley)

Session Classification: Parallel 1

Contribution ID: 52

Type: **not specified**

Sensitivity to HNL discovery and oscillation

Tuesday, 30 January 2024 12:06 (20 minutes)

Presenter: VALLE, Nicolo (INFN Sezione di Pavia (IT))

Session Classification: Parallel 1

Contribution ID: 53

Type: **not specified**

Updated ALPs limits from photon-photon fusion at FCC-ee

Thursday, 1 February 2024 18:05 (20 minutes)

Primary author: REBELLO TELES, Patricia (Brazilian Center for Physics Research - CBPF (BR))

Presenter: REBELLO TELES, Patricia (Brazilian Center for Physics Research - CBPF (BR))

Session Classification: Parallel 1

Contribution ID: 54

Type: **not specified**

Prospects for searches of $b \rightarrow sv\bar{\nu}$ decays at FCC-ee

Wednesday, 31 January 2024 09:00 (18 minutes)

Presenter: KENZIE, Matthew William (University of Cambridge (GB))

Session Classification: Parallel 1

Contribution ID: 55

Type: **not specified**

Measuring Hadronic Higgs Boson Branching Ratios at Future Lepton Colliders

Wednesday, 31 January 2024 09:18 (18 minutes)

Presenter: REICHELT, Daniel (Durham University, IPPP)

Session Classification: Parallel 1

Contribution ID: 56

Type: **not specified**

Invisible Bs decays

Wednesday, 31 January 2024 09:36 (18 minutes)

Presenter: ESCUDERO ABENZA, Miguel

Session Classification: Parallel 1

Contribution ID: 57

Type: **not specified**

jet charge identification in ee-Z-qq process at Z pole operation [remote]

Wednesday, 31 January 2024 09:54 (18 minutes)

Presenter: RUAN, Manqi (Chinese Academy of Sciences (CN))

Session Classification: Parallel 1

Contribution ID: 58

Type: **not specified**

Vcb in WW

Wednesday, 31 January 2024 10:12 (18 minutes)

Presenter: MONTEIL, Stephane (Université Clermont Auvergne (FR))

Session Classification: Parallel 1

Contribution ID: 59

Type: **not specified**

Flavour violating Higgs and Z decays at FCC-ee

Thursday, 1 February 2024 09:00 (20 minutes)

Presenter: TAMMARO, Michele

Session Classification: Parallel 1

Contribution ID: **60**

Type: **not specified**

FCC-ee/FCC-hh reach for rare and exclusive few-body decays of the Higgs, Z, W bosons, and the top quark

Thursday, 1 February 2024 09:40 (20 minutes)

Presenter: LE, Van Dung

Session Classification: Parallel 1

Contribution ID: **61**

Type: **not specified**

ee->HZ @ NNLO

Presenter: SONG, Qian

Session Classification: Parallel 1

Contribution ID: 62

Type: **not specified**

Flavor, Colliders, and the Z-pole: Opportunities for probing new physics at FCC-ee

Presenter: STEFANEK, Ben

Session Classification: Parallel 1

Contribution ID: **63**

Type: **not specified**

Drell-Yan at the LHC towards FCC-ee

Thursday, 1 February 2024 11:00 (20 minutes)

Presenter: VICINI, Alessandro (University of Milano)

Session Classification: Parallel 1

Contribution ID: 64

Type: **not specified**

The lost treasure: Gildener-Weinberg multi-Higgs models

Thursday, 1 February 2024 18:25 (20 minutes)

Presenter: LANE, Kenneth (Boston University)

Session Classification: Parallel 1

Contribution ID: 65

Type: **not specified**

Measurement of the Higgs width

Thursday, 1 February 2024 11:20 (20 minutes)

Presenter: MORANGE, Nicolas (Université Paris-Saclay (FR))

Session Classification: Parallel 1

Contribution ID: **66**

Type: **not specified**

Welcome address

Monday, 29 January 2024 13:30 (5 minutes)

Session Classification: Plenary

Contribution ID: 67

Type: **not specified**

Practical information

Monday, 29 January 2024 13:35 (5 minutes)

Session Classification: Plenary

Contribution ID: **68**

Type: **not specified**

Updates on ML reconstruction

Tuesday, 30 January 2024 17:45 (15 minutes)

Presenter: GARCIA, Dolores (CERN)

Session Classification: Parallel 1

Contribution ID: **69**

Type: **not specified**

PID performance and tools

Tuesday, 30 January 2024 18:00 (15 minutes)

Presenters: COCCARO, Andrea (INFN Genova (IT)); PARODI, Fabrizio (Università degli Studi e INFN Genova (IT))

Session Classification: Parallel 1

Contribution ID: 70

Type: **not specified**

Requirements from B -> K* tau tau

Tuesday, 30 January 2024 18:15 (15 minutes)

Presenter: MIRALLES, Tristan (Université Clermont Auvergne (FR))

Session Classification: Parallel 1

Contribution ID: 71

Type: **not specified**

HNL mass reconstruction from timing measurements

Tuesday, 30 January 2024 18:30 (15 minutes)

Presenter: POLESELLO, Giacomo (INFN, Sezione di Pavia (IT))

Session Classification: Parallel 1

Contribution ID: 72

Type: **not specified**

Higgs coupling in fully hadronic final states

Thursday, 1 February 2024 11:40 (20 minutes)

Presenter: IAKOVIDIS, George (Brookhaven National Laboratory (US))

Session Classification: Parallel 1

Contribution ID: 73

Type: **not specified**

Lund Jet plane studies

Wednesday, 31 January 2024 11:30 (20 minutes)

Presenters: PANWAR, Lata (Laboratoire de physique nucléaire et des hautes énergies (LPNHE), Paris, France); PANWAR, Lata (Laboratoire de physique nucléaire et des hautes énergies (LPNHE), Paris, France)

Session Classification: Parallel 1

Contribution ID: 74

Type: **not specified**

Prospects for polarization and energy measurements at CEPC

Thursday, 1 February 2024 11:00 (20 minutes)

Primary author: DUANZ, Duan,Zhe

Presenter: DUANZ, Duan,Zhe

Session Classification: Parallel 2

Contribution ID: 75

Type: **not specified**

Progress with polarimeter studies and design

Thursday, 1 February 2024 11:20 (20 minutes)

Primary author: MARTENS, Aurelien (Université Paris-Saclay (FR))

Presenter: MARTENS, Aurelien (Université Paris-Saclay (FR))

Session Classification: Parallel 2

Contribution ID: 76

Type: **not specified**

Polarization studies at KARA

Thursday, 1 February 2024 11:40 (20 minutes)

Primary author: KEINTZEL, Jacqueline (CERN)

Presenter: KEINTZEL, Jacqueline (CERN)

Session Classification: Parallel 2

Contribution ID: 77

Type: **not specified**

Progress on orbit correction for polarization studies [remote]

Thursday, 1 February 2024 12:00 (20 minutes)

Primary author: WU, Yi (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Presenter: WU, Yi (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: Parallel 2

Contribution ID: 78

Type: **not specified**

Progress on energy measurements [remote]

Thursday, 1 February 2024 17:45 (20 minutes)

Primary author: KOOP, Ivan (BINP)

Presenter: KOOP, Ivan (BINP)

Session Classification: Parallel 2

Contribution ID: 79

Type: **not specified**

Progress on opposite sign dispersion and offset studies

Thursday, 1 February 2024 18:05 (20 minutes)

Primary author: BLONDEL, Alain (Universite de Geneve (CH))

Presenter: BLONDEL, Alain (Universite de Geneve (CH))

Session Classification: Parallel 2

Contribution ID: **80**

Type: **not specified**

Progress on monochromatization studies

Thursday, 1 February 2024 18:25 (20 minutes)

Primary author: FAUS-GOLFE, Angeles (IJClab IN2P3 CNRS-Université Paris-Saclay (FR))

Presenter: FAUS-GOLFE, Angeles (IJClab IN2P3 CNRS-Université Paris-Saclay (FR))

Session Classification: Parallel 2

Contribution ID: **81**

Type: **not specified**

FCC Feasibility Study status

Monday, 29 January 2024 14:00 (15 minutes)

Primary authors: ZIMMERMANN, Frank (CERN); BENEDIKT, Michael (CERN)

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

Session Classification: Plenary

Contribution ID: **82**

Type: **not specified**

Vertex Detector

Tuesday, 30 January 2024 09:00 (20 minutes)

Presenter: PALLA, Fabrizio (Universita & INFN Pisa (IT))

Session Classification: Parallel 2

Contribution ID: **83**

Type: **not specified**

Progress on air cooling of the vertex detector

Tuesday, 30 January 2024 09:22 (20 minutes)

Presenter: TURRIONI, Cristiano (Universita e INFN, Perugia (IT))

Session Classification: Parallel 2

Contribution ID: **84**

Type: **not specified**

Vertex detector and silicon wrapper simulation and material budget

Tuesday, 30 January 2024 09:44 (20 minutes)

Presenter: ILG, Armin (University of Zurich)

Session Classification: Parallel 2

Contribution ID: 85

Type: **not specified**

First studies on detector integration in the beamline

Tuesday, 30 January 2024 10:04 (20 minutes)

Presenter: GADDI, Andrea (CERN)

Session Classification: Parallel 2

Contribution ID: **86**

Type: **not specified**

Progress on the MDI mechanical design

Wednesday, 31 January 2024 09:00 (20 minutes)

Presenter: FRANCESINI, Francesco (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: Parallel 2

Contribution ID: 87

Type: **not specified**

Status of the IR magnet system design

Wednesday, 31 January 2024 09:20 (20 minutes)

Presenter: SEEMAN, John

Session Classification: Parallel 2

Contribution ID: **88**

Type: **not specified**

TBC

Session Classification: Parallel 2

Contribution ID: **89**

Type: **not specified**

Solenoid Coupling compensation scheme

Wednesday, 31 January 2024 09:40 (20 minutes)

Presenter: CIARMA, Andrea (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: Parallel 2

Contribution ID: **90**

Type: **not specified**

Vacuum system and requirements in the IR

Wednesday, 31 January 2024 11:00 (20 minutes)

Presenter: KERSEVAN, Roberto (CERN)

Session Classification: Parallel 2

Contribution ID: **91**

Type: **not specified**

Synchrotron Radiation Background

Wednesday, 31 January 2024 11:20 (20 minutes)

Presenter: ANDRE, Kevin Daniel Joel (CERN)

Session Classification: Parallel 2

Contribution ID: 92

Type: **not specified**

IR Beam losses and collimation system [remote]

Wednesday, 31 January 2024 11:40 (20 minutes)

Presenter: ABRAMOV, Andrey (CERN)

Session Classification: Parallel 2

Contribution ID: 93

Type: **not specified**

Results and prospects of radiation level studies in the FCC Interaction Region

Wednesday, 31 January 2024 12:00 (20 minutes)

Presenter: FRASCA, Alessandro (University of Liverpool (GB))

Session Classification: Parallel 2

Contribution ID: 94

Type: **not specified**

LCCO Final Focus beam dynamics studies

Wednesday, 31 January 2024 17:45 (25 minutes)

Primary author: RAIMONDI, Pantaleo (SLAC National Accelerator Laboratory (US))

Presenters: ANDRE, Kevin Daniel Joel (CERN); RAIMONDI, Pantaleo (SLAC National Accelerator Laboratory (US))

Session Classification: Parallel 2

Contribution ID: 95

Type: **not specified**

Status of the beam-Beam studies

Wednesday, 31 January 2024 18:10 (15 minutes)

Presenter: KICSINY, Peter (EPFL)

Session Classification: Parallel 2

Contribution ID: **96**

Type: **not specified**

An FCC-ee vibrations study for its MDI

Wednesday, 31 January 2024 18:25 (20 minutes)

Presenter: MONTBARBON, Eva

Session Classification: Parallel 2

Contribution ID: 97

Type: **not specified**

Introduction, and CLD

Thursday, 1 February 2024 17:45 (15 minutes)

Presenter: SIMON, Frank (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Parallel 3

Contribution ID: **98**

Type: **not specified**

ALLEGRO

Thursday, 1 February 2024 18:00 (15 minutes)

Presenter: MORANGE, Nicolas (Université Paris-Saclay (FR))

Session Classification: Parallel 3

Contribution ID: **99**

Type: **not specified**

CLD

Session Classification: Parallel 3

Contribution ID: **100**

Type: **not specified**

IDEA

Thursday, 1 February 2024 18:15 (15 minutes)

Presenter: BEDESCHI, Franco (Universita & INFN Pisa (IT))

Session Classification: Parallel 3

Contribution ID: **101**

Type: **not specified**

Progress on ALLEGRO calorimeters implementation

Wednesday, 31 January 2024 11:00 (15 minutes)

Presenter: MARCHIORI, Giovanni (APC, CNRS/IN2P3 and Université Paris Cité)

Session Classification: Parallel 3

Contribution ID: **102**

Type: **not specified**

muRWELL

Wednesday, 31 January 2024 11:20 (15 minutes)

Presenters: ALI, Mahmoud; ALI, Mahmoud (FCC)

Session Classification: Parallel 3

Contribution ID: **103**

Type: **not specified**

Towards CLD Tracker optimization

Wednesday, 31 January 2024 11:40 (15 minutes)

Presenter: SADOWSKI, Gaelle (Centre National de la Recherche Scientifique (FR))

Session Classification: Parallel 3

Contribution ID: **104**

Type: **not specified**

ILD/CLD concept studies with a TPC

Wednesday, 31 January 2024 12:00 (15 minutes)

Presenter: MADLENER, Thomas (Deutsches Elektronen-Synchrotron (DESY))

Session Classification: Parallel 3

Contribution ID: **105**

Type: **not specified**

First results from CalVision

Tuesday, 30 January 2024 11:18 (15 minutes)

Presenter: ENO, Sarah (University of Maryland (US))

Session Classification: Parallel 2

Contribution ID: **106**

Type: **not specified**

Noble Liquid calorimetry

Tuesday, 30 January 2024 11:54 (15 minutes)

Presenter: PEKKANEN, Juska (CERN)

Session Classification: Parallel 2

Contribution ID: **107**

Type: **not specified**

Fine-grain calorimetry - Grainita

Tuesday, 30 January 2024 12:12 (15 minutes)

Presenter: MONTEIL, Stephane (Université Clermont Auvergne (FR))

Session Classification: Parallel 2

Contribution ID: **108**

Type: **not specified**

Fibre-based Dual Readout

Tuesday, 30 January 2024 11:36 (15 minutes)

Presenter: PARETI, Andrea (Pavia University and INFN (IT))

Session Classification: Parallel 2

Contribution ID: **109**

Type: **not specified**

Progress and Developments on the IDEA Drift Chamber [remote]

Tuesday, 30 January 2024 17:45 (16 minutes)

Presenter: PRIMAVERA, Margherita (INFN Lecce e Universita del Salento (IT))

Session Classification: Parallel 2

Contribution ID: **110**

Type: **not specified**

The ALICE ITS3 Project and Opportunities for FCC-ee

Tuesday, 30 January 2024 18:05 (16 minutes)

Presenter: GAUTAM, Kunal (Vrije Universiteit Brussel (BE) / University of Zurich (CH))

Session Classification: Parallel 2

Contribution ID: 111

Type: **not specified**

Support Structures for Si Detectors

Tuesday, 30 January 2024 18:25 (16 minutes)

Presenters: GARGIULO, Corrado (Istituto Nazionale di Fisica Nucleare Sezione di Roma 1); GARGIULO, Corrado (CERN)

Session Classification: Parallel 2

Contribution ID: **112**

Type: **not specified**

Discussion

Thursday, 1 February 2024 18:30 (15 minutes)

Session Classification: Parallel 3

Contribution ID: **113**

Type: **not specified**

Key4HEP: status of things

Tuesday, 30 January 2024 09:00 (20 minutes)

Presenter: CARCELLER, Juan Miguel (CERN)

Session Classification: Parallel 3

Contribution ID: **114**

Type: **not specified**

Status of EDM4hep

Tuesday, 30 January 2024 09:20 (20 minutes)

Presenter: MADLENER, Thomas (Deutsches Elektronen-Synchrotron (DESY))

Session Classification: Parallel 3

Contribution ID: 115

Type: **not specified**

Developing in Key4HEP: good practice and advice

Tuesday, 30 January 2024 09:40 (25 minutes)

Presenter: TOLOSA-DELGADO, Alvaro (CERN)

Session Classification: Parallel 3

Contribution ID: **116**

Type: **not specified**

LEP data in Key4HEP

Tuesday, 30 January 2024 10:05 (20 minutes)

Presenter: MAGGI, Marcello (Universita e INFN, Bari (IT))

Session Classification: Parallel 3

Contribution ID: **117**

Type: **not specified**

Generators for FCC-ee: status of things

Tuesday, 30 January 2024 11:00 (30 minutes)

Presenters: REUTER, Juergen (DESY Hamburg, Germany); REUTER, Jürgen

Session Classification: Parallel 3

Contribution ID: **118**

Type: **not specified**

Generators for FCC-ee: reaching the required precision

Tuesday, 30 January 2024 11:30 (25 minutes)

Presenter: FRIXIONE, Stefano (INFN)

Session Classification: Parallel 3

Contribution ID: **119**

Type: **not specified**

MadGraph for FCC-ee

Tuesday, 30 January 2024 11:55 (25 minutes)

Presenter: STAGNITTO, Giovanni (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Parallel 3

Contribution ID: **120**

Type: **not specified**

Computer resource needs

Wednesday, 31 January 2024 09:00 (25 minutes)

Presenter: GANIS, Gerardo (CERN)

Session Classification: Parallel 3

Contribution ID: **121**

Type: **not specified**

FCC @ iLCDirac

Wednesday, 31 January 2024 09:25 (20 minutes)

Presenter: VALENTINI, Lorenzo (Universita e INFN, Padova (IT))

Session Classification: Parallel 3

Contribution ID: 122

Type: **not specified**

Fast simulation: status and use at FCC-ee

Wednesday, 31 January 2024 09:45 (30 minutes)

Presenter: ZABOROWSKA, Anna (CERN)

Session Classification: Parallel 3

Contribution ID: **123**

Type: **not specified**

FCCAnalyses today

Thursday, 1 February 2024 09:00 (30 minutes)

Presenter: SMIESKO, Juraj (CERN)

Session Classification: Parallel 3

Contribution ID: 124

Type: **not specified**

Discussion about future directions for analysis

Thursday, 1 February 2024 09:30 (1 hour)

Chaired by Jan Eysermans

Presenter: EYSERMANS, Jan (Massachusetts Inst. of Technology (US))

Session Classification: Parallel 3

Contribution ID: 125

Type: **not specified**

Particle Identification with the ARC

Thursday, 1 February 2024 11:00 (20 minutes)

Presenter: TOLOSA-DELGADO, Alvaro (CERN)

Session Classification: Parallel 3

Contribution ID: 126

Type: **not specified**

ACTS in Key4HEP

Thursday, 1 February 2024 11:20 (20 minutes)

Presenter: REICHENBACH, Leonhard (University of Bonn (DE))

Session Classification: Parallel 3

Contribution ID: 127

Type: **not specified**

PandoraPFA in Key4HEP

Thursday, 1 February 2024 11:40 (20 minutes)

Presenter: SASIKUMAR, Swathi (CERN)

Session Classification: Parallel 3

Contribution ID: 128

Type: **not specified**

Logarithmically accurate N(N)LO matching at FCC-ee

Wednesday, 31 January 2024 12:10 (20 minutes)

Presenter: KARLBERG, Alexander (CERN)

Session Classification: Parallel 1

Contribution ID: 129

Type: **not specified**

Recent progress in parton showers with higher logarithmic accuracy

Wednesday, 31 January 2024 11:50 (20 minutes)

Presenter: FERRARIO RAVASIO, Silvia (CERN)

Session Classification: Parallel 1

Contribution ID: **130**

Type: **not specified**

Exotic Higgs decays to LLPs

Thursday, 1 February 2024 17:45 (20 minutes)

Presenter: VANDE VOORDE, Magdalena (KTH Royal Institute of Technology (SE))

Session Classification: Parallel 1

Contribution ID: **131**

Type: **not specified**

Z' models

Wednesday, 31 January 2024 18:05 (20 minutes)

Presenter: PATTNAIK, Baibhab (IFIC (University of Valencia, CSIC))

Session Classification: Parallel 1

Contribution ID: 132

Type: **not specified**

New physics in the forward kinematic region of the FCC

Wednesday, 31 January 2024 17:45 (20 minutes)

Presenter: TROJANOWSKI, Sebastian

Session Classification: Parallel 1

Contribution ID: 133

Type: **not specified**

impact on EWPOs of the α QED uncertainty

Thursday, 1 February 2024 09:20 (20 minutes)

Presenter: BLONDEL, Alain (Universite de Geneve (CH))

Session Classification: Parallel 1

Contribution ID: 134

Type: **not specified**

Update on Higgs self-coupling determination

Thursday, 1 February 2024 10:00 (30 minutes)

Presenters: TALIERCIO, Angela (Northwestern University (US)); STAPF, Birgit (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Parallel 1

Contribution ID: 135

Type: **not specified**

Search for the 3-3-1 symmetry at the LHC and Future Colliders [remote]

Wednesday, 31 January 2024 18:25 (20 minutes)

Presenter: SANCHEZ VILLAMIZAR, Yoxara (UFABC)

Session Classification: Parallel 1

Contribution ID: 136

Type: **not specified**

Towards Dual Readout Crystal Reconstruction

Thursday, 1 February 2024 12:00 (20 minutes)

Presenter: CETORELLI, Flavia (INFN, Milano-Bicocca (IT))

Session Classification: Parallel 3

Contribution ID: 137

Type: **not specified**

Constraining the (d,s) unitarity triangle with $B_{d,s}$ decays to ϕK^*

Wednesday, 31 January 2024 11:00 (15 minutes)

Presenter: PEREZ, Emmanuel Francois (CERN)

Session Classification: Parallel 1

Contribution ID: 138

Type: **not specified**

Anomalies in B to $K^* K^{*\bar{}}$ and prospects for FCC-ee [remote]

Wednesday, 31 January 2024 11:15 (15 minutes)

Presenter: ALEKSAN, Roy (Université Paris-Saclay (FR))

Session Classification: Parallel 1

Contribution ID: 139

Type: **not specified**

Towards occupancy and bandwidth requirements for highly granular calorimeters at FCCee

Tuesday, 30 January 2024 11:00 (15 minutes)

Presenter: BOUDRY, Vincent (LLR, CNRS, École polytechnique, Institut Polytechnique de Paris)

Session Classification: Parallel 2

Contribution ID: 140

Type: **not specified**

Introduction + Reports on FCC-PED activities of Spain-Portugal-France

Monday, 29 January 2024 17:30 (12 minutes)

Presenter: BERNARDI, Gregorio (APC Paris CNRS/IN2P3)

Session Classification: Plenary

Contribution ID: **141**

Type: **not specified**

Report from UK

Monday, 29 January 2024 17:42 (8 minutes)

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

Session Classification: Plenary

Contribution ID: 142

Type: **not specified**

Report from Belgium and Netherland [remote]

Monday, 29 January 2024 17:50 (5 minutes)

Presenter: WAALEWIJN, Wouter (NIKHEF)

Session Classification: Plenary

Contribution ID: **143**

Type: **not specified**

Report from Italy

Monday, 29 January 2024 17:55 (8 minutes)

Presenter: GIACOMELLI, Paolo (INFN Sezione di Bologna)

Session Classification: Plenary

Contribution ID: 144

Type: **not specified**

Report from Switzerland, Slovenia, Croatia, Austria

Monday, 29 January 2024 18:03 (7 minutes)

Presenter: WEBER, Michele (Universitaet Bern (CH))

Session Classification: Plenary

Contribution ID: 145

Type: **not specified**

Report from Germany [remote]

Monday, 29 January 2024 18:10 (8 minutes)

Presenter: SIMON, Frank (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Plenary

Contribution ID: 146

Type: **not specified**

Report from Sweden, Norway, Danmark,Finland, Baltic countries [remote]

Monday, 29 January 2024 18:18 (7 minutes)

Presenter: GONZALEZ SUAREZ, Rebeca (Uppsala University (SE))

Session Classification: Plenary

Contribution ID: 147

Type: **not specified**

Report from Poland, Hungary, Slovakia, Czechia

Monday, 29 January 2024 18:25 (8 minutes)

Presenter: LESIAK, Tadeusz (Polish Academy of Sciences (PL))

Session Classification: Plenary

Contribution ID: 148

Type: **not specified**

Report from Romania, Bulgaria, Serbia, Greece, Cyprus, Turkey, Israel

Monday, 29 January 2024 18:33 (7 minutes)

Presenter: ALEXA, Calin (IFIN-HH (RO))

Session Classification: Plenary

Contribution ID: 149

Type: **not specified**

Report from Korea (Japan) [remote]

Monday, 29 January 2024 18:40 (8 minutes)

Presenter: YOO, Hwi Dong (Yonsei University (KR))

Session Classification: Plenary

Contribution ID: 150

Type: **not specified**

Report from Brazil (Argentina, Chile)

Monday, 29 January 2024 18:48 (7 minutes)

Presenter: REBELLO TELES, Patricia (Brazilian Center for Physics Research - CBPF (BR))

Session Classification: Plenary

Contribution ID: 151

Type: **not specified**

Report from US (Canada)

Monday, 29 January 2024 18:55 (10 minutes)

Presenter: ENO, Sarah (University of Maryland (US))

Session Classification: Plenary

Contribution ID: 152

Type: **not specified**

General Comments, Open questions

Monday, 29 January 2024 19:05 (10 minutes)

Session Classification: Plenary

Contribution ID: **153**

Type: **not specified**

Transports to social dinner

Thursday, 1 February 2024 19:10 (20 minutes)