

Workshop on the Circular Electron-Positron Collider - EU edition



Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcomes

Thursday, 24 May 2018 08:45 (5 minutes)

Presenter: TBD

Session Classification: Plenary A

Contribution ID: 1

Type: **not specified**

Introduction and goals

Thursday, 24 May 2018 09:00 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=RqWpE4iDYkI>

Presenter: FRANCO BEDESCHI

Session Classification: Plenary A

Contribution ID: 2

Type: **not specified**

CepC Accelerator

Thursday, 24 May 2018 09:30 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=MerMbW1BGBg>

Presenter: JIE GAO

Session Classification: Plenary A

Contribution ID: 3

Type: **not specified**

FCC Accelerator

Thursday, 24 May 2018 10:00 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=sppDk2HyN2s>

Presenters: Mr BLONDEL, Alain (University of Geneva); BENEDIKT, Michael (CERN)

Session Classification: Plenary A

Contribution ID: 4

Type: **not specified**

LC Accelerator

Thursday, 24 May 2018 10:30 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=-fHJhcBxnX0>

Presenter: Dr SCHULTE, Daniel (CERN)

Session Classification: Plenary A

Contribution ID: 5

Type: **not specified**

CepC phys/detectors

Thursday, 24 May 2018 11:30 (30 minutes)

VIDEO: https://www.youtube.com/watch?v=_j2XZdDs8MI

Presenter: JOAO GUIMARAES DA COSTA

Session Classification: Plenary B

Contribution ID: 6

Type: **not specified**

FCC phys/detectors

Thursday, 24 May 2018 12:00 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=fE-gsWjFKH0>

Presenter: TENCHINI, Roberto (PI)

Session Classification: Plenary B

Contribution ID: 7

Type: **not specified**

LC phys/detectors

Thursday, 24 May 2018 12:30 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=BHbsc7xQVFc>

Presenter: VOS, Marcel (IFIC)

Session Classification: Plenary B

Contribution ID: 8

Type: **not specified**

Experience from machines today

Thursday, 24 May 2018 14:30 (30 minutes)

Presenter: YASUSHI ARIMOTO

Session Classification: Parallel session 1

Contribution ID: 9

Type: **not specified**

Beam induced backgrounds

Thursday, 24 May 2018 16:00 (20 minutes)

Presenter: HONGBO ZHU

Session Classification: Parallel session 1

Contribution ID: **10**

Type: **not specified**

Detector Solenoid Compensation Scheme

Thursday, 24 May 2018 15:30 (30 minutes)

Presenter: Mr SINYATKIN, Sergey (BINP SB RAS)

Session Classification: Parallel session 1

Contribution ID: 11

Type: **not specified**

Overview of MDI of CepC

Thursday, 24 May 2018 15:00 (30 minutes)

Remote presentation

Presenter: BAI, Sha (IHEP)

Session Classification: Parallel session 1

Contribution ID: 12

Type: **not specified**

Engineering aspects of the MDI design: mechanics, cryogenics and integration

Thursday, 24 May 2018 16:20 (30 minutes)

Presenter: PIVOVAROV, Sergey (BINP)

Session Classification: Parallel session 1

Contribution ID: 13

Type: **not specified**

Z pole+WW

Thursday, 24 May 2018 14:30 (40 minutes)

Presenter: AZZURRI, Paolo (PI)

Session Classification: Parallel session 2

Contribution ID: 14

Type: **not specified**

Z+Higgs

Thursday, 24 May 2018 15:10 (30 minutes)

Presenter: Prof. FANG, Yaquan (Institute of High Energy Physics)

Session Classification: Parallel session 2

Contribution ID: 15

Type: **not specified**

Top

Thursday, 24 May 2018 15:40 (20 minutes)

Presenter: Dr VOS, Marcel (IFIC - centro mixto U. Valencia/CSIC, Valencia, Spain)

Session Classification: Parallel session 2

Contribution ID: **16**

Type: **not specified**

BSM

Thursday, 24 May 2018 16:00 (30 minutes)

Presenter: MELE, Barbara

Session Classification: Parallel session 2

Contribution ID: 17

Type: **not specified**

Crab-Waist

Friday, 25 May 2018 09:00 (20 minutes)

Presenter: MILARDI, Catia (LNF)

Session Classification: Parallel 1a

Contribution ID: **18**

Type: **not specified**

CepC/Booster optics

Friday, 25 May 2018 09:20 (20 minutes)

Presenter: DOU WANG

Session Classification: Parallel 1a

Contribution ID: 19

Type: **not specified**

CepC beam-beam effects & dynamic aperture

Friday, 25 May 2018 09:40 (20 minutes)

Presenter: YUAN ZHANG

Session Classification: Parallel 1a

Contribution ID: 20

Type: **not specified**

CEPC Z-pole polarization

Friday, 25 May 2018 10:00 (20 minutes)

Presenter: SERGEI NIKITIN

Session Classification: Parallel 1a

Contribution ID: 21

Type: **not specified**

Energy calibration in high energy colliders

Friday, 25 May 2018 10:20 (20 minutes)

Presenter: IVAN KOOP

Session Classification: Parallel 1a

Contribution ID: 22

Type: **not specified**

CEPC linac injector

Friday, 25 May 2018 10:40 (20 minutes)

Presenter: CAI MENG

Session Classification: Parallel 1a

Contribution ID: 23

Type: **not specified**

CEPC Baseline detector concept

Friday, 25 May 2018 09:00 (24 minutes)

Presenter: MANQI RUAN

Session Classification: Parallel 2a

Contribution ID: 24

Type: **not specified**

IDEA detector concept

Friday, 25 May 2018 09:24 (24 minutes)

Presenter: CACCIA, Massimo (MI)

Session Classification: Parallel 2a

Contribution ID: 25

Type: **not specified**

H->mumu

Presenter: ZENWEI CUI (via vidyo)

Contribution ID: 26

Type: **not specified**

H->jetjet

Friday, 25 May 2018 15:00 (30 minutes)

Remote presentation

Presenter: BAI, Yu

Session Classification: Parallel 2c

Contribution ID: 27

Type: **not specified**

ALICE Silicon & TPC

Friday, 25 May 2018 09:00 (30 minutes)

Presenter: WERNER RIEGLER

Session Classification: Parallel 3a

Contribution ID: 28

Type: **not specified**

CepC pixel prototypes

Friday, 25 May 2018 09:30 (30 minutes)

Presenter: XIN SHI

Session Classification: Parallel 3a

Contribution ID: 29

Type: **not specified**

High granularity pixels for CepC

Friday, 25 May 2018 10:00 (30 minutes)

Presenter: ZHOU YANG

Session Classification: Parallel 3a

Contribution ID: **30**

Type: **not specified**

A silicon vertex and tracking system for FCC-ee and CLIC

Friday, 25 May 2018 10:30 (30 minutes)

Presenter: LEOGRANDE, Emilia (TBC) (CERN)

Session Classification: Parallel 3a

Contribution ID: **31**

Type: **not specified**

CepC ECAL R&D

Friday, 25 May 2018 09:00 (30 minutes)

Presenter: Dr DONG, Mingyi (IHEP)

Session Classification: Parallel 4a

Contribution ID: 32

Type: **not specified**

CepC ECAL simulation/optimization

Friday, 25 May 2018 09:30 (30 minutes)

Presenter: HANG ZHAO

Session Classification: Parallel 4a

Contribution ID: 33

Type: **not specified**

CepC HCAL R&D

Friday, 25 May 2018 10:00 (30 minutes)

Presenter: BOXYANG YU

Session Classification: Parallel 4a

Contribution ID: 34

Type: **not specified**

CepC HCAL simulation/optimization

Friday, 25 May 2018 10:30 (30 minutes)

Presenter: BING LIU

Session Classification: Parallel 4a

Contribution ID: 35

Type: **not specified**

Electron sources for FCC-ee

Friday, 25 May 2018 11:30 (18 minutes)

Presenter: Mr LEVICHEV, Alexey (BINP)

Session Classification: Parallel 1b

Contribution ID: 36

Type: **not specified**

CEPC Plasma accelerator injector

Friday, 25 May 2018 11:48 (18 minutes)

Presenter: PAI, Chi hao

Session Classification: Parallel 1b

Contribution ID: 37

Type: **not specified**

CEPC Ring RF system

Friday, 25 May 2018 12:06 (16 minutes)

Presenter: JIYUAN ZHAI

Session Classification: Parallel 1b

Contribution ID: **38**

Type: **not specified**

CEPC SRF Cavity

Friday, 25 May 2018 12:22 (18 minutes)

Presenter: PENG SHA

Session Classification: Parallel 1b

Contribution ID: 39

Type: **not specified**

CEPC High efficiency Klystron

Friday, 25 May 2018 12:40 (20 minutes)

Presenter: ZUSHENG ZHOU

Session Classification: Parallel 1b

Contribution ID: 40

Type: **not specified**

H->ZZ + anomalous coupling

Friday, 25 May 2018 11:30 (30 minutes)

Presenter: YANYAN GAO

Session Classification: Parallel 2b

Contribution ID: 41

Type: **not specified**

H->WW

Friday, 25 May 2018 12:00 (30 minutes)

Presenter: TONG LI

Session Classification: Parallel 2b

Contribution ID: 42

Type: **not specified**

Higgs cross section and width

Friday, 25 May 2018 12:30 (30 minutes)

Presenter: HAO LIANG

Session Classification: Parallel 2b

Contribution ID: 43

Type: **not specified**

IDEA tracker

Friday, 25 May 2018 11:30 (30 minutes)

Presenter: Dr TASSIELLI, Giovanni Francesco (LE)

Session Classification: Parallel 3b

Contribution ID: 44

Type: **not specified**

CepC full silicon option

Friday, 25 May 2018 12:00 (30 minutes)

Presenter: FU, Chengdong (IHEP, CAS)

Session Classification: Parallel 3b

Contribution ID: 45

Type: **not specified**

Progress on the low power readout ASIC for TPC with 65nm CMOS

Friday, 25 May 2018 12:30 (30 minutes)

Presenter: WEI, Liu (Tsinghua University)

Session Classification: Parallel 3b

Contribution ID: 46

Type: **not specified**

Dual Readout calorimetry overview

Friday, 25 May 2018 11:30 (30 minutes)

Presenter: Prof. HAUPTMAN, John (Iowa State University)

Session Classification: Parallel 4b

Contribution ID: 47

Type: **not specified**

DR test beam 2017 and future tests

Friday, 25 May 2018 12:00 (30 minutes)

Presenter: SANTORO, Romualdo (MI)

Session Classification: Parallel 4b

Contribution ID: 48

Type: **not specified**

DR full simulation

Friday, 25 May 2018 12:30 (30 minutes)

Presenter: FERRARI, Roberto (PV)

Session Classification: Parallel 4b

Contribution ID: 49

Type: **not specified**

CEPC booster Magnet systems design

Presenter: WEN KANG

Contribution ID: 50

Type: **not specified**

CEPC collider ring magnets design

Friday, 25 May 2018 14:50 (20 minutes)

Remote presentation

Presenter: MEI YANG

Session Classification: Parallel 1c

Contribution ID: 51

Type: **not specified**

Magnet polarimeter for FCC-ee

Friday, 25 May 2018 15:10 (20 minutes)

Presenter: NIKOLAY MUCHNOI

Session Classification: Parallel 1c

Contribution ID: 52

Type: **not specified**

CEPC Vacuum systems design

Friday, 25 May 2018 15:30 (20 minutes)

Presenter: YONGSHEN MA

Session Classification: Parallel 1c

Contribution ID: 53

Type: **not specified**

FCC-ee FF and IR vacuum system

Presenter: ALEXANDER KRASNOV

Contribution ID: 54

Type: **not specified**

Feedback Systems in Circular Collider

Friday, 25 May 2018 15:50 (20 minutes)

Presenter: CASCHERA, Salvatore (LNF)

Session Classification: Parallel 1c

Contribution ID: 55

Type: **not specified**

Components for high current operation

Friday, 25 May 2018 16:10 (20 minutes)

Presenter: ALESINI, David (LNF)

Session Classification: Parallel 1c

Contribution ID: 56

Type: **not specified**

Machine learning for ee

Friday, 25 May 2018 15:30 (30 minutes)

Presenter: PIERINI, Maurizio (CERN)

Session Classification: Parallel 2c

Contribution ID: 57

Type: **not specified**

H->invisible

Friday, 25 May 2018 14:30 (30 minutes)

Presenter: XIN SHI

Session Classification: Parallel 2c

Contribution ID: 58

Type: **not specified**

Physics at the Z pole

Friday, 25 May 2018 16:00 (30 minutes)

Presenter: Prof. LIANG, Zhijun (Institute of High Energy Physics, Chinese Academy of Sciences)

Session Classification: Parallel 2c

Contribution ID: 59

Type: **not specified**

Precision Higgs Combination

Friday, 25 May 2018 09:48 (24 minutes)

Presenter: KAILI ZHANG

Session Classification: Parallel 2a

Contribution ID: **60**

Type: **not specified**

The TPC for CepC

Friday, 25 May 2018 14:30 (30 minutes)

Presenter: Dr QI, Huirong (IHEP)

Session Classification: Parallel 3c

Contribution ID: **61**

Type: **not specified**

Silicon detector mechanics

Friday, 25 May 2018 15:00 (30 minutes)

Presenter: Dr JONES, Tim (University of Liverpool)

Session Classification: Parallel 3c

Contribution ID: **62**

Type: **not specified**

CepC magnet R&D

Friday, 25 May 2018 15:30 (30 minutes)

Presenter: ZIAN ZHU

Session Classification: Parallel 3c

Contribution ID: 63

Type: **not specified**

Study of HTS option for CepC

Friday, 25 May 2018 16:00 (30 minutes)

Presenter: Mr NING, Feipeng (IHEP)

Session Classification: Parallel 3c

Contribution ID: **64**

Type: **not specified**

CALICE ECAL

Friday, 25 May 2018 14:30 (30 minutes)

Presenter: VINCENT BOUDRY

Session Classification: Parallel 4c

Contribution ID: 65

Type: **not specified**

CALICE HCAL

Friday, 25 May 2018 15:00 (30 minutes)

Presenter: BOUMEDIENE, Djamel (LPC)

Session Classification: Parallel 4c

Contribution ID: 66

Type: **not specified**

Latest developments at OMEGA

Friday, 25 May 2018 17:30 (30 minutes)

Presenter: STEPHANE CALLIER

Session Classification: Parallel 4d

Contribution ID: 67

Type: **not specified**

high frequency sampler chip

Friday, 25 May 2018 18:00 (30 minutes)

Presenter: GARY VARNER

Session Classification: Parallel 4d

Contribution ID: **68**

Type: **not specified**

New magnet/cavity alignment system

Friday, 25 May 2018 14:30 (20 minutes)

Presenter: BENIAMINO DI GIROLAMO

Session Classification: Parallel 1c

Contribution ID: **69**

Type: **not specified**

CEPC cryogenic system

Friday, 25 May 2018 17:00 (15 minutes)

Presenter: SHAOPENG LI

Session Classification: Parallel 1d

Contribution ID: 70

Type: **not specified**

CEPC Power

Friday, 25 May 2018 17:35 (15 minutes)

Presenter: WEIREN CHOU

Session Classification: Parallel 1d

Contribution ID: 71

Type: **not specified**

CEPC Civil engineering

Friday, 25 May 2018 17:15 (20 minutes)

Presenter: RENJIE SHI, YU XIAO, GUOQIANG SUN

Session Classification: Parallel 1d

Contribution ID: 72

Type: **not specified**

HTS magnet

Friday, 25 May 2018 17:50 (20 minutes)

Presenter: QINGJIN XU

Session Classification: Parallel 1d

Contribution ID: 73

Type: **not specified**

ee->ZH ISR correction

Friday, 25 May 2018 17:00 (30 minutes)

Presenter: GRECO, Mario (ROMA3)

Session Classification: Parallel 2d

Contribution ID: 74

Type: **not specified**

2HDM+S and ee

Friday, 25 May 2018 18:10 (20 minutes)

Presenter: BRUCE MELLADO

Session Classification: Parallel 2d

Contribution ID: 75

Type: **not specified**

W mass measurement

Friday, 25 May 2018 17:30 (20 minutes)

Presenter: Prof. LI, Hengne (South China Normal University)

Session Classification: Parallel 2d

Contribution ID: 76

Type: **not specified**

e+e- muon detector overview

Friday, 25 May 2018 17:00 (30 minutes)

Presenter: GIACOMELLI, Paolo (BO)

Session Classification: Parallel 3d

Contribution ID: 77

Type: **not specified**

MPGD options

Friday, 25 May 2018 17:30 (30 minutes)

Presenter: POLI LENER, Marco (LNF)

Session Classification: Parallel 3d

Contribution ID: 78

Type: **not specified**

RPC options

Friday, 25 May 2018 18:00 (30 minutes)

Presenter: LIANG LI

Session Classification: Parallel 3d

Contribution ID: 79

Type: **not specified**

Integral luminosity measurement at CEPC - detector requirements

Friday, 25 May 2018 17:00 (30 minutes)

Presenter: IVANKA BOŽOVIC

Session Classification: Parallel 4d

Contribution ID: **80**

Type: **not specified**

The High Granularity Calorimeter for CMS

Friday, 25 May 2018 15:30 (30 minutes)

Presenter: DAVID BARNEY

Session Classification: Parallel 4c

Contribution ID: **81**

Type: **not specified**

New CERN R&D working group

Friday, 25 May 2018 16:00 (30 minutes)

Remote presentation

Presenter: MARTIN, Aleksa

Session Classification: Parallel 4c

Contribution ID: **82**

Type: **not specified**

Plenary accelerators

Saturday, 26 May 2018 09:00 (30 minutes)

VIDEO: https://www.youtube.com/watch?v=icEkLuL_WCI

Presenter: YUNLONG CHI

Session Classification: Plenary D

Contribution ID: **83**

Type: **not specified**

Plenary Phys/Sim.

Saturday, 26 May 2018 09:30 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=espiTQtKC8c>

Presenter: LI GANG

Session Classification: Plenary D

Contribution ID: **84**

Type: **not specified**

Plenary Trackers

Saturday, 26 May 2018 10:00 (30 minutes)

VIDEO: https://www.youtube.com/watch?v=oHt2SqH2A_c

Presenters: Prof. BORTOLETTO, Daniela (Purdue University); Prof. DANIELA BORTOLETTO, Daniela (University Of Oxford)

Session Classification: Plenary D

Contribution ID: 85

Type: **not specified**

Plenary Calorimeters

Saturday, 26 May 2018 10:30 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=S4DHUEFjxGA>

Presenter: LAKTINEH, Imad (TBC) (IN2P3)

Session Classification: Plenary D

Contribution ID: **86**

Type: **not specified**

Closing remarks IHEP

Saturday, 26 May 2018 12:40 (10 minutes)

VIDEO: <https://www.youtube.com/watch?v=H2wBQOjefzUt;=8s>

Presenter: YIFANG WANG

Session Classification: Plenary E

Contribution ID: 87

Type: **not specified**

Closing remarks INFN

Saturday, 26 May 2018 12:50 (10 minutes)

VIDEO: https://www.youtube.com/watch?v=lH_7PbQ6Apot;=5s

Presenter: BEDESCHI, Franco (PI)

Session Classification: Plenary E

Contribution ID: **88**

Type: **not specified**

Summary parallel 1:MDI

Thursday, 24 May 2018 17:30 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=hsyJXCGqBsk>

Presenter: MICHAEL KORATZINOS

Session Classification: Plenary C

Contribution ID: **89**

Type: **not specified**

Summary parallel 2: Physics

Thursday, 24 May 2018 18:00 (30 minutes)

VIDEO: <https://www.youtube.com/watch?v=G10vSx8eRok>

Presenter: RUAN, Manqi (IHEP)

Session Classification: Plenary C

Contribution ID: **90**

Type: **not specified**

Day 2 logistic

Thursday, 24 May 2018 18:30 (10 minutes)

VIDEO: <https://www.youtube.com/watch?v=dG1uzBjl5w>

Presenter: BIAGIO DI MICCO

Session Classification: Plenary C

Contribution ID: **91**

Type: **not specified**

H->tautau

Friday, 25 May 2018 10:12 (24 minutes)

Presenter: YU DAN

Session Classification: Parallel 2a

Contribution ID: 92

Type: **not specified**

H->gammagamma

Friday, 25 May 2018 10:36 (24 minutes)

Remote presentation

Presenter: GUO, Fangyi (Institute of High Energy Physics, CAS)

Session Classification: Parallel 2a

Contribution ID: 93

Type: **not specified**

Beam parameters

Thursday, 24 May 2018 16:30 (30 minutes)

Presenter: BLONDEL, Alain (University of Geneva)

Session Classification: Parallel session 2

Contribution ID: 94

Type: **not specified**

Panel discussion on future machines and detector R&D

Saturday, 26 May 2018 11:30 (1h 10m)

VIDEO: INTRODUCTION : <https://www.youtube.com/watch?v=vAuJ-hpZL04> DISCUSSION: <https://www.youtube.com/w>

Panel composition: Yifang Wang (China), Werner Riegler (CERN), Franco Bedeschi (Italy) Daniela Bortoletto (UK), Imad Laktineh (France), Alain Blondel (Svizzera), Marcel Vos (Spagna)

Session Classification: Plenary E

Contribution ID: 95

Type: **not specified**

Welcome from INFN - INFN Roma Tre director

Thursday, 24 May 2018 08:55 (5 minutes)

VIDEO: <https://www.youtube.com/watch?v=tTDzTqOcbKY>

Presenter: CIUCHINI, Marco (ROMA3)

Session Classification: Plenary A

Contribution ID: 96

Type: **not specified**

Beam-gas background characterization in the IR of FCC-ee

Friday, 25 May 2018 18:10 (20 minutes)

Presenter: BLANCO GARCIA, Oscar Roberto (LNF)

Session Classification: Parallel 1d

Contribution ID: 97

Type: **not specified**

Simulation study of W mass measurement with threshold scan

Friday, 25 May 2018 17:50 (20 minutes)

Presenter: SHEN, Peixun

Session Classification: Parallel 2d

Contribution ID: 98

Type: **not specified**

Welcome from Roma Tre University - deputy dean on innovation and technological transfer

Thursday, 24 May 2018 08:50 (5 minutes)

VIDEO: <https://www.youtube.com/watch?v=Hnqfu-vfNr0>

Presenter: Prof. TOSCANO, Alessandro (Università Roma Tre)

Session Classification: Plenary A